

# Manish Kumar

Mobile: +91 9711817711

Email ID: [mkumar10@gmail.com](mailto:mkumar10@gmail.com)

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## Summary

Machine Learning, Python, React, JavaScript, ES6, Typescript, Angular, Material-UI, Responsive, HTML, CSS, Bootstrap, Redux, Next.js, Agile, Azure, C#, ASP.NET Core, MVC, ASP.NET, SQL Server, Web API, SSRS, Power BI

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## Academic Qualifications

22 **Post Graduate Diploma in Computer Applications** from **Indira Gandhi National Open University**

06 **M. Tech.** Part time from **Indian Institute of Technology Delhi**

99 **B. E.** from **Delhi College of Engineering**

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## Professional Synopsis

- Total 13+ years of experience.
- 3 projects (1-year equivalent) experience in Machine Learning, AI: Earned two Bertelsmann scholarships; (ML with Python, Dec'22 - Feb'22, Dec'24 - Feb'24, Udacity, PGDCA'22, Multiple courses from Udemy'24).
- 3+ years in front end including React, JavaScript, Typescript, HTML, CSS, Material UI, Redux, Bootstrap, Azure.
- 10+ in years full stack including C#, ASP.NET Core, MVC, ASP.NET, SQL Server, Web API, Azure, SSRS, Power BI.

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## Experience Summary

**Domains:** Tourism, Audit, Assurance, Corporate, Building & Construction, Oil & Gas, HR, Finance & Commercial, Mortgage, e-Governance, Pharmaceuticals, Supply Chain, Telecom, Logistics, Transportation, Design automation, Manufacturing etc.

**Software Development:** Executes and coordinates the complete software development lifecycle, overall design, study of requirements, development, code review. Directly interacts with business and engages with the stakeholders. Contributes individually and manages a team. Develops and consumes web services. Azure resource provisioning. Develops and consumes Web APIs. Develops the solution as per design and architecture guidelines from the client.

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## IT Skills

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| Technologies      | : Machine Learning, NLP, Prompt Engineering, Python, Working with LLMs (Gemini-pro), React, Material UI, Redux, Next.js, ASP.NET Core, MVC, ASP.NET |
| UI                | : Material UI, Bootstrap, Tailwind CSS                                                                                                              |
| Languages         | : JavaScript, TypeScript, jQuery, C#, HTML, CSS                                                                                                     |
| WebServices       | : RESTful Web API                                                                                                                                   |
| Database          | : SQL Server                                                                                                                                        |
| Cloud             | : Azure                                                                                                                                             |
| Code repositories | : Github, TFS                                                                                                                                       |
| Microsoft tools   | : Visual Studio Code, Visual Studio, IIS, Power BI                                                                                                  |
| Other tools       | : PostMan, BitBucket, JIRA                                                                                                                          |

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## Chronology

**At IDS Infotech:** Dec'23 till Jul'24; Senior Software Engineer; Full stack; Developed web application; **Angular, .NET Core, Web API, Entity Framework, Bootstrap, HTML, Azure, SQL Server.**

**Machine Learning Engineer; Apr'24-Jun'24;**

1. Revenue Cycle Management; To increase revenue of Medical Service Providers by analysis of the data of top revenue providers using **Python, Generative AI, Gemini 1.5 Pro, Prompt Engineering, Pandas.**
2. To transcribe chat between a doctor and a patient using **Python, Assembly AI, Pandas.**
3. Denial Management; To predict claims approval using **Python, Pandas.**

**At New Vision Software:** Sept'23-Dec'23; Senior Software Engineer; Full stack; Developed web application; **React, .NET Core, Web API, Entity Framework, Tailwind CSS, HTML, Azure, SQL Server.**

**As Freelancer: Various Clients;** Jan'23 till Sept'23; Developer; Frontend, Developed the front using React, JavaScript, HTML, CSS, SCSS, Material UI, Bootstrap, Tailwind, Azure. Developed <https://mkumar100.github.io/respwebsite1/> (Responsive) & <https://mkumar100.github.io/website1/>

**At Coforge:** Assurant; Jul'22-Dec'22; Technology Specialist; Frontend; Developed the workflow for entering the record of the equipment in the web application and getting the ticket; **React, JavaScript, Material UI, HTML, CSS, Redux, Azure**

**At Publicis Groupe:** Publicis Groupe; Apr'22-Jul'22; Sr. Assoc. Technology; Frontend; Developed the functionality to record and display the employees' professional information in Marcel web application; Developed and consumed the Web APIs; **React, JavaScript, HTML, SCSS, Responsive Design, Zeplin, Figma, Storybook, Docker, Azure**

Prepared for and passed PGDCA Examinations (Computer Science, Python); Introduction to ML (Python) Dec'21-Mar'22.

**At Espire Infolabs:** Frasers; Sept'21-Nov'21; Sr. Software Engineer; Frontend; Developed a functionality so that the user can identify and record the defects in the buildings; **React, TypeScript, HTML, CSS, Azure**

**At Best of Breed Software Solutions:** Infosys; Jun'21-Aug'21; Consultant; Frontend; Developed a functionality to display graphs of times spent in different categories of drilling operations; **React, JavaScript, HTML, CSS, React High charts, Azure.**

**At Pacific IT Consulting:** Publicis Groupe; Dec'20-Feb'21, Senior Lead Developer; Frontend; Enhanced Asset Financial Reporting web application; **React, JavaScript, Web API, C#, HTML, CSS, JavaScript, SQL Server, Azure**

**At WSP:** WSP-ME, Noida; Aug'19-Dec'20; Lead Business Solutions Developer; Full stack; Developed and enhanced the web applications Car Hire, Overtime Approval, Bank Guarantees (React, Web API, SQL Server), Prospect Register (ASP.NET, jQuery, SQL Server), Developed reports in Power BI. **React, JavaScript, TypeScript; MVC, ASP.NET, Web API, C#, HTML, CSS, SQL Server, Azure, Power BI**

**At ACS:** Jubilant Food Works; Oct'18-Aug'19; Project Manager; Full stack; Managed and enhanced the web applications Stores Dashboard (**ASP.NET, Bootstrap, SQL Server**), Accident Tracker (**ASP.NET, SQL Server, SQL Server**), Sending New Store Allocation email (**Exchange Server**), Online Job Portal applications (**ASP.NET MVC, SQL Server**) etc.

**At Freelancer.com:** Clients in India, USA, Singapore, Italy, Australia; Mar'18 - Oct'18, Developer; Full stack; Developed and enhanced the web applications (**ASP.NET, JavaScript, SQL Server**); Converted word, excel, ppt files to PDF file and vice versa (**ASP.NET, JavaScript**), Converted C# functions to JavaScript (**JavaScript, C#**), Developed a website (ASP.NET, JavaScript, SQL Server), Animated Valves Mechanism (**JavaScript**)

**At Apana Infotech:** Mortgage Connect USA; Sep'17 - Feb'18; Senior Developer; Developed the application for Excel & PDF parsing & storing the data; **Interop, iText, C#, SQL Server**

**At Velocis, Silver Touch (NIC):** Ministry of Rural Dev.; Aug'16-Aug'17; Senior Developer; **WCF, ASMX, C#, SQL Server**

**At Wipro Technologies:** Many clients, Dec'12 till Aug'16, Lead System Engineer

Sun Pharma, India, Feb'16 - Aug'16; Technical Lead; Gathered requirements for new LIMS; **C#, SQL Server**

Halliburton Energy Services, USA, Nov'15 - Dec'15; Senior Developer; Full stack; Migrated Access based web application to SQL Server; **ASP.NET, C#, MS Access**

Aircel India, Jul'15 - Nov'15; Technical Lead; Full stack; Enhanced the web applications, Modified MIS application, for increasing the content database size; **SharePoint, ASP.NET, C#, JavaScript, CSS, HTML, SQL Server**

Government of India, Apr'14 - Sept'14; Technical Lead; Developed a web-service for an RFID Reader; **ASMX web service, C#.**

Genpact India, Duration: Oct'14 - Jun'15; Technical Lead; Full stack; Moved Classic ASP, ASP.NET and Java based applications to the Cloud Servers; **ASP.NET, C#, JavaScript, HTML, CSS**

Genpact India, May'13 - Mar'14; Senior Developer; Full stack; Developed new Utilities, enhanced the existing Utilities; Developed new modules, enhanced, maintained and supported existing modules of the web portal and closed Security Vulnerability gaps closure on the website. **ASP.NET, C#, HTML, CSS, JavaScript, SQL Server**

Halliburton Energy Services, USA, Dec'12 - May'13; Senior Developer; Developed new modules and fixed bugs in existing modules of Insite System Manager, Developed Test Classes; **C#.**

**At Nityo Infotech (Worked at Wipro Technologies):** Sept'12-Dec'12; Halliburton\_Energy Services USA; Senior Developer; Developed new modules and fixed bugs in existing modules of Insite System Manager, Developed Test Classes. **C#**

**At Emoxsha Technologies India:** Jul'11 - Sept'12; MRTA USA; Senior Developer; Developed Geocoding, Automated PT1 Download Process; **C#, Oracle**

**At Algoworks Technologies:** Dec'10 - Jun'11; Gabble-On LLC, USA; PGM Golf, Japan; Senior Developer; Full stack; Developed many modules of various web applications; **C#, ASP.NET, JavaScript, HTML, CSS, SQL Server, Oracle**

**At Virginia Transformer India:** Dec'09 - Dec'10; Virginia Transformer Corp USA; Developer; Developed VTM System (C#, SQL Server, Three Tier Architecture, Database Mail, Windows Service, One-Click Deployment);

Manager (R&D) at Escorts Limited, Mar'09 - Dec'09

**At Virtual Engineering Services;** Apr'08-Dec'08; Sun Hydraulics USA; Developer; Developed modules of MD Tools 910, Migrated from VB 6.0 to VB.NET; **C#**, SolidWorks API

Senior Engineer at Axis IT & T Limited, Noida, Dec'06 – Jan'08

M. Tech. (Part time) from IIT Delhi, Jun'03 - Jun'06

**At Tata Consultancy Services;** Aug'99 – Aug'02; Assist. Systems Engineer, Govt. of India; Developer; Developed applications; **C, UNIX**, CATIA API

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### **Certifications**

- Hallucinations in Gen-AI from Udemy in Sep'24.
  - Mastering Generative AI with LLMs: A Hugging Face Guide from Udemy in Apr'24.
  - Artificial Intelligence A-Z 2024: Build 7 AI + LLM & ChatGPT from Udemy in Mar'24.
  - Intro to ML, AI Python, Udacity in Feb'22, Feb'24.
  - React Native Projects from Udemy in Aug'23.
  - The Next.js 13 Bootcamp - The Complete Developer Guide from Udemy in Jul'23.
  - HTML, CSS, and JavaScript for Web Developers ([coursera.org/verify/HVCBUJCJ8SSS](https://coursera.org/verify/HVCBUJCJ8SSS)) in Apr'23.
  - Microsoft Technology Associate – Introduction to Programming Using JavaScript (Certification number H915-2986) in Jul'21.
  - Introduction to Front-end Development with React – Coursera Project Network in Jul'21.
  - Build your First React Website – Coursera Project Network in Jul'21.
  - Build your First React Website Part -2 – Coursera Project Network in Jul'21.
  - Material-UI with React from Bonsai labs in Mar'21.
  - Training in Front End Development using React, Angular, Material UI, HTML, CSS at Coforge in Nov-Dec'22.
  - Training in AZ-4 (Azure developer) at WSP in Nov'20.
  - The Complete ASP.NET MVC 5 Course from Udemy in Dec'17.
  - Introduction to Machine Learning (including Python) from Udacity in Dec'21-Feb'22.
  - “Initial Training Program” – SDLC, Programming in C, RDBMS, Project Work at TCS in Aug'99-Oct'99.
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