# A AJAY KUMAR

B.Tech

Computer Science & Engineering - AI

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## EDUCATION

| Degree/Certificate | Institute/Board | CGPA/Percentage | Year |
|---|---|---|---|
| B.Tech. | Parul University, Gujarat | 8.05(Current) | 2025-Passout |
| Senior Secondary | Sri Chaitanya Junior College, Telangana | 97.6% | 2021 |
| Secondary | Indo English High School, Telangana | 9.7 | 2019 |

## EXPERIENCE

- **Bluestock Fintech** — *Nov 2024 - Jan. 2025*
  ***Role:*** *Software Development Engineer Intern* — Vadodara, India
  – Developed and optimized API integrations to enhance data flow across financial systems, reducing data retrieval times and improving overall system efficiency.
  – Collaborated with cross-functional teams to design and implement solutions that improved data accuracy, contributing to more effective financial forecasting and decision-making.

## PROJECTS

- **Full-stack Django E-commerce** — *July. 2024 - Aug. 2024*
  ***Skills:*** *Django, Html, Css, Javascript, Bootstrap, SQLite* — Drive
  – Developed a Django e-commerce platform featuring cart, wishlist, payment gateway, and secure user authentication, improving the shopping experience and boosting conversion rates by 25%
  – Optimized backend workflows and integrated secure transaction processing, reducing page load times by 20% and increasing user engagement by 15%.

- **Forest Fire Detection** — *Dec. 2023 - Oct. 2024*
  ***Skills:*** *python, MachineLearning, Image-Processing, Computer Vision, Django, Html, CSS, JS* — Github
  – Developed an advanced forest fire detection system using Python, Machine Learning, and Computer Vision, improving early detection accuracy by over 90%.
  – Applied image processing algorithms to analyze dataset images, reducing false alarms and increasing precision by over 90%.

- **Google Maps Travel Companion Application** — *Feb. 2023 - Mar. 2024*
  ***Skills:*** *TailwindCSS, React.js, Rapid-API,Google Maps-API* — Github
  – Created a user-friendly interface and integrated real-time location-based services, resulting increase in user engagement
  – Enhanced user experience by integrating advanced data filtering capabilities in a React.js environment: Improved data processing speed by 80%, allowing users to efficiently filter and access relevant travel information.

## SKILLS

- **Programming**: Python, Java core
- **Web Development**: Django, REST Framework, Flask, React.js, Javascript, CSS, Html
- **DataBases**: Mysql, MongoDb, Sqlite
- **Software Skills**: Data Structures and Algorithms, DBMS, OOPS, Machine learning, Computer Networks
- **Tools & Libraries**: Git, Vscode, Numpy, Pandas, Matplotlib, Scikit-learn

## CERTIFICATIONS

- **Software Engineering**: Certificate
- **Networking Essentials**: Certificate
- **Basics of Python**: Certificate

## ACHIEVEMENTS

- **Hackathon**, Participated in AI/ML Hackathon organized by **Myonsitehealthcare**, Vadodara — *2024*
- **Leetcode**, Solved more than **250** problems Profile
- **HackerRank**, secured **5 stars** in Python & **4 stars** in sql