

AYUSH GUPTA

Software Developer, 2025

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SUMMARY

Software Developer with hands-on experience building GenAI chatbots using GPT-4, Langchain, and MERN stack. Skilled in Python, Flask, API integration, and automation workflows. Delivered real-time solutions with strong data preprocessing, ML modelling, and dashboarding. Proven ability to deploy scalable GenAI tools, reducing manual tasks and improving user engagement by up to 50%.

EDUCATION

Bachelor of Engineering in Computer Science

Dec 2021 - May 2025

Indira College of Engineering and Management, Pune

Grade: 8.53 / 10

- **Awards/Activities:** Best Research Paper Award at NTAI 2025, Event Coordinator at IGLLS 2024, Runner-up in Project Competition at TechFest 2023

TECHNICAL SKILLS

Programming Languages: Python, TypeScript, HTML, CSS

Libraries/Frameworks: ReactJS, FastAPI, SQLAlchemy, Pandas, Numpy, Scikit-learn

Databases: SQL - MySQL, PostgreSQL,

Gen AI Tools: OpenAI GPT-4, GPT-3.5 Turbo, LangGraph (basic)

Tools: JIRA, Git & GitHub, Power BI, Jupyter, Google Colab

Cloud: AWS

WORK EXPERIENCE

Software Developer at Sqano Systems Pvt Ltd, Pune (Ample Enterprise Technologies)

June 2025 - Present

- Designed and developed GenAI applications using OpenAI APIs (GPT-4, GPT-3.5 Turbo), resulting in a 35% reduction in manual query handling and improved task automation for end-users.
- Integrated AI-powered chatbots into full-stack MERN (MongoDB, Express.js, React, Node.js) web platforms, achieving 50% faster response time and improving user engagement scores by 28%.
- Developed dashboards using React and integrated them with backend ML services for real-time monitoring and performance analytics, enabling 24/7 monitoring and reducing issue resolution time by 40%.

Software Developer Intern at ICEM, Pune

Dec 2023 - Jan 2024

- Designed and deployed a high-performance automation tool using Python and Flask, reducing manual conversion time by 60%.
- Conducted code review, debugging, and ensured adherence to Agile practices.
- Integrated APIs for seamless data processing and automated workflows.

SELECTED PROJECTS

Where is my BUS? - Daily Commuter App [Link] | MERN, REST APIs

- Developed a real-time bus tracking system that utilizes geolocation and RESTful APIs to track local buses and display live routes and ETA.
- Designed scalable backend architecture with Node.js and MongoDB, enabling efficient data fetching and user queries.
- Applied data preprocessing to clean and structure GPS data streams for accurate location updates and visualization.

Heart Care - Heart Failure Prediction App [Link] | ReactJS, Python, Machine Learning, Flask, API, Scikit-learn, Pandas, Matplotlib

- Built predictive models using logistic regression, random forest, and XGBoost to classify patient risk based on clinical indicators.
- Performed data cleaning, outlier treatment, and feature scaling on a medical dataset with 12+ variables.
- Achieved over 85% accuracy and high ROC-AUC, demonstrating strong model performance and interpretability.

CERTIFICATIONS

- Introduction to Generative AI (Google)