

Ravi Kumar

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Profile Summary

Enthusiastic and detail-oriented **Python Developer (Fresher)** with a strong foundation in programming, data analysis, and machine learning fundamentals. Skilled in building data-driven and automation-based applications using **Python, Pandas, Flask, and SQL**. Passionate about solving real-world problems through clean and scalable code, with a keen interest in **AI/ML**, data analytics, and backend development. Eager to contribute to innovative software projects in a collaborative environment.

Education

City Engineering College, Bangalore, India

B.E. in Computer Science and Engineering, CGPA: 7.0

Aug 2024

Relevant Coursework: Data Structures, SDLC, DBMS, Python Programming, Software Engineering

Technical Skills

Programming: Python, SQL, MySQL, C, C++

Data Tools: Pandas, NumPy, Matplotlib, Power BI, Tableau, Excel, Google Sheets, Scikit-learn

Frameworks: Flask, REST APIs, Git, GitHub, Postman

Platforms: Jupyter Notebook, VS Code, PyCharm, IntelliJ IDEA

Soft Skills: Team Collaboration, Communication, Problem Solving, Time Management, Agile

Professional Experience

COLT ASSIST

Software Development Intern

Jan 2024 – Apr 2024

Developed a web-based **Bus Ticket Booking System** using Java, SQL, HTML, and CSS. Designed and tested **REST APIs** for authentication, ticket management, and scheduling modules. Improved database queries, reducing ticket search response time by nearly **40%**. Worked in an **Agile environment** with weekly sprints and Jira-based task tracking.

Projects

Automate Finance with Python (2025) – GitHub

I developed an end-to-end financial automation system using **Python, Pandas, and NumPy** to streamline the collection, transformation, and reporting of financial data. The project included building automated ETL pipelines, generating Excel and CSV reports, maintaining detailed logs, and integrating an email notification system to alert users upon task completion. This automation reduced manual financial data processing time by nearly **80%** and was designed with modular and scalable functions to ensure easy integration with larger workflows.

Currency Converter Automation (2025) – GitHub

I created a real-time currency converter tool featuring both **CLI and GUI interfaces**, integrated with external **APIs** for accurate exchange rates. The application provided support for over 20 currencies and included advanced features like historical logs, PDF/Excel export, and scheduled report generation. It incorporated robust exception handling for invalid inputs and API errors, along with a user-friendly interface that offered dynamic validation and helpful tooltips for seamless user interaction.

Certifications

2025: **Google Data Analytics Professional Certificate** – Coursera

2025: **Data Analysis with Python** – FreeCodeCamp

2025: **Learning Data Analytics Foundations** – LinkedIn Learning