

SOUJANYA S P

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SUMMARY

To secure a challenging Backend Engineer role where I can leverage my expertise in Java, Python, and SQL to design and develop scalable APIs and cloud-integrated applications. I aim to contribute to innovative product development in a collaborative environment while continuously advancing my skills in backend systems and cloud technologies.

PROJECTS

Movie Recommendation System (Python, Streamlit, KNN)

- Developed a recommendation engine using the K-Nearest Neighbors algorithm.
- Built a modular and reusable codebase with an interactive Streamlit interface.
- Processed large movie datasets to deliver personalized and efficient suggestions.

NoteFlow (A secure NoteEditor)

- Built NoteFlow, a secure web-based note editor with real-time auto-save and cloud storage using PHP, MySQL, JavaScript, and Tailwind CSS.
- Implemented AJAX-based synchronization and rich text editing, enabling smooth creation, editing, and retrieval of notes with unique secret IDs.
- Developed a responsive and intuitive UI for seamless access across desktop and mobile devices.

Face Biometric Management System using Open CV and MYSQL

- Built a real-time biometric attendance system using Python and OpenCV.
- Implemented multithreading to improve recognition speed and scalability.
- Secured and managed face data in a MySQL database with reliable storage.

EXPERIENCE

Backend Engineer Intern , Sanskriti Labs | Bangalore

Oct 2025 – Dec 2025

- Developed and tested RESTful APIs using NestJS for smooth data exchange between frontend and backend systems.
- Worked on data integration and database operations, ensuring efficient and accurate data flow across modules.
- Collaborated with the team to optimize backend performance and maintain code quality through debugging and API testing tools.

Machine Learning Using Python , Cranes Varsity | Bangalore

Mar 2024

- Completed an 80-hour internship focused on Machine Learning using Python.
- Gained hands-on experience in implementing ML algorithms and techniques.
- Participated in projects that applied machine learning to real-world problem-solving.

Data Analyst Intern

Apr 2025 – May 2025

Elevate Labs | Bangalore

- Analyzed business datasets and built interactive Tableau dashboards.
- Used Python for data preprocessing and exploratory analysis.
- Delivered actionable insights that supported decision-making.

SKILLS

Programming Languages

Java, Python, API Development, Node.js

Web & Database Technologies

Streamlit, MySQL, PostgreSQL, OpenCV

Data Analysis & Visualization

Pandas, NumPy, Matplotlib, Tableau, Excel

Backend Development

NestJS, Express.js, RESTful API Development, Authentication (JWT), Middleware

Handling, TypeORM, Data Integration (ETL, structured/unstructured data)

Tools & Platforms

Jupyter Notebook, AWS (Cloud Practitioner Essentials), GitHub

EDUCATION

MS RAMAIAH COLLEGE OF ARTS, SCIENCE, AND COMMERCE – Bangalore

2024 -Present

- Master of Computer Applications (MCA) | Pursuing

PES INSTITUTE OF ADVANCED MANAGEMENT STUDIES, Shivamogga

2021 -2024

- Bachelor of Computer Application (BCA) | Kuvempu University

CGPA : 9.38/10

MAHESH PU COLLEGE, Shivamogga

2020 – 2021

- Percentage : 98