

Suma B D

Software Engineer

Software Engineer with 1.9 years of experience in code creation and software development. Skilled in multiple programming languages, including Python, Machine Learning, HTML, SQL. Bring on board exceptional communication and interpersonal skills, with a nature to continually research and drives the adoption of new technologies by researching innovative technology trends and developments.

✉ sumajain12@gmail.com

☎ +91 7019828237

📍 Bangalore

🌐 [linkedin.com/in/ suma-b-d-18a2b8220](https://www.linkedin.com/in/suma-b-d-18a2b8220)

WORK EXPERIENCE

Software Engineer

BLP Industry.AI Private Limited

09/2022 - Present

Bangalore

- Performed data cleaning and preprocessing on raw datasets, ensuring high-quality data for analysis. Used Python libraries such as Pandas and NumPy for efficient data manipulation. Wrote efficient, reusable, and modular code to support multiple ongoing projects, contributing to a 25% increase in project throughput. Automated repetitive tasks with Python scripts, saving 10+ hours of manual work per week.
- Optimized SQL database queries, resulting in a 30% reduction in data retrieval times. Collaborated with senior developers to troubleshoot and resolve software issues, ensuring high-quality product releases. Wrote and maintained documentation for new and existing features, facilitating easier onboarding for new team members. Collaborated with data scientists to preprocess data for machine learning models, ensuring high data quality and integrity. Gathered, cleaned, and maintained large datasets from multiple sources to support analytical projects.
- Created and maintained technical documentation for all development processes, improving team collaboration and knowledge sharing. Mentoring junior developers in coding, model training, data preprocessing etc.

PROJECTS

Safety, Security Management

- This project focuses on safety management at hul sites, ensuring that every employee on site is safe. I developed a use case for detecting person and helmet use case

JSPL

- Data from IOT devices in xml and text file formats and converted it to Json according to the client's specifications using python. The data was then pushed to GCP and fire store and display in the application.

VEPT

- Received data from IOT devices in Json format, data cleaning and converted it to csv, and then uploaded it to GCP and fire store. Additionally, I wrote alert generation code in python to handle instances when data is missing from GCP.

VECV

- Created an application using pyqt5 and QT designer to create configuration files for protocols.

EDUCATION

B.E. Electrical & Electronics Engineering

GSSSIETW

07/2018 - 08/2022

SKILLS

- ✓ Languages: Python, SQL, HTML, PyQt5
- ✓ Frameworks: Flask
- ✓ Libraries: Pandas, NumPy, Matplotlib, OpenCV
- ✓ Tools: Git, Docker
- ✓ Databases: SQL
- ✓ Cloud Platforms: Google Cloud Platform (GCP), Fire store
- ✓ Data Visualization: Tableau, Matplotlib, Seaborn
- ✓ Operating Systems: Windows, Linux
- ✓ Machine Learning: Scikit-learn, Tensor Flow, Data Cleaning and Preprocessing, Linear and Logistic algorithms
- ✓ Deep learning : CNN
- ✓ Other: API Testing using Postman, QT designer, MQTT
- ✓ Soft Skills: Communication, Team Collaboration, Problem-Solving, Time Management

CERTIFICATES

- Python for Data Science and Machine learning Bootcamp - Udemy