BALAJI YALBURGI

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Profile Summary

I am committed to leveraging my technical expertise to develop innovative solutions. With a strong foundation in Python and Java, I thrive in dynamic environments where I can apply my skills to contribute to impactful projects. I am always eager to explore new challenges that foster continuous learning and professional growth

Work Experience

Software Engineer (Intern)

SensOps Tech Solutions Pvt. Ltd. | Feb 2025 - Present | Bengaluru, India
- Developing automation solutions to streamline operational processes and improve efficiency.
- Implementing system integrations and leveraging advanced tools for real-world automation.
- Collaborating with a cross-functional team to design and deploy intelligent automation systems.
- Working with AI-driven frameworks to enhance automation and predictive maintenance.
- Gaining hands-on experience in scripting, API development, and cloud-based automation.

Data Analyst (Intern)

Edureka! Pvt. Ltd | Nov 2023 – Dec 2023 | Belagavi
- Project: Developed a model to predict earthquakes, achieving 85% accuracy and 0.25 MAE in magnitude prediction.
- Skills: Proficient in Python, Pandas, NumPy, Scikit-learn, TensorFlow, Matplotlib. Experienced in time series analysis, feature engineering, deep learning.
- Data: Cleaned and preprocessed seismic data, identified patterns and trends
- Responsibilities: Collected seismic data, developed a CNN model, implemented time series forecasting, contributed to an early warning system

Projects

REVOLUTIONIZING PLANT HEALTH: AI-POWERED DISEASE DETECTION
Developed a robust machine learning model to accurately identify and classify plant leaf diseases. Leveraged advanced image processing techniques and deep learning algorithms to predict disease outbreaks and recommend timely interventions.

DATA ANALYSIS
Leveraged Python and libraries like Pandas, NumPy, and Matplotlib to conduct data analysis and visualization, identifying trends and insights from large datasets

BANK MANAGEMENT SYSTEM
Developed bank management system using DBMS and SQL. Implemented core functionalities, ensure data security, and improved operational efficiency.

Certifications

NPTEL Cloud Computing	Cyber Security by Google	CodeRed EHE
Data Science	Cyber Security by TCS	Data Analytics
AI/ML	Microsoft Azure	Aws

Skills

HTML/CSS	Java	Python
Machine Learning	DBMS/SQL	C/C++
Computer Networking	Operating Systems	UI/UX

Education

- Bachelor of Engineering, Visvesvaraya Technological University (CSE) 2025, NIPANI
- 12th Pre-University course in PCMC, Konnur College April 2021 with 79%
- SSLC, ST. Theresa School in April 2019 with 67%

Other Skills & Interests

Skills: Microsoft Office (Excel, PowerPoint) | Communication | Leadership | Qualitative Thinking

Interests: Exploring out new Technologies | Trying out new Innovations and Technologies