Likitha Balaji

Software Developer • Data Science Enthusiast
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| LinkedIn | GitHub | My Portfolio

EDUCATION

VIT UNIVERSITY VELLORE
MCA
07/2023 - Present -2025| Vellore, India
GPA: 8.88/ 10

VIT UNIVERSITY VELLORE
BCA
07/2020 - 06/2023 | Vellore, India
GPA: 8.67 / 10

SKILLS

TECHNICAL SKILLS

Languages: Python, Java, JavaScript

Web Technologies: HTML, CSS, Angular

Testing Tools: Selenium, Playwright, Manual Testing

Machine Learning Libraries: Scikit-learn, Pandas, NumPy, PySpark, Git

Deep Learning: TensorFlow, Keras, CNN, LSTM, Neural Networks, NLP, LLMs

Data Analytics & Visualization Tools: Power BI, Matplotlib, Seaborn, Excel, MySQL

Mathematics & Statistics

Core Subjects: OOPs, Operating Systems, Networking

DevOps & Cloud Tools: AWS, Agile Methodology, SDLC

Soft Skills: Problem Solving, Analytical Thinking, System Design, Collaboration

CERTIFICATES

Programming in Python (Meta)
Machine Learning with Python (IBM)
Java Programming (Great Learning)
DevOps (Simplilearn)

LANGUAGES

English • Full Professional Proficiency
Telugu • Native
Tamil • Full Professional Proficiency

SUMMARY

Aspiring Software Developer professional skilled in Python, ML, Java with 5+ projects leveraging tools like Scikit-learn, and Power BI. Passionate about building data-driven solutions using LLMs, synthetic data, and AI automation. Experienced in data preparation, client analytics, and creating insightful visualizations using SQL.

PROJECTS

Enhancing financial security in credit card using machine learning algorithms

ML – Logistic Regression, Decision Tree, XGBoost, Voting Classifier, Flask , Pandas, NumPy, Scikit-learn

- Engineered a high-performance fraud detection model using **Logistic Regression Data Engineering**, **XGBoost**, and a **Voting Classifier**, achieving **99% accuracy** on an imbalanced credit card dataset.
- Applied advanced **Data Transformation techniques** and **Flask API**, reducing prediction latency to **under 500 ms**.

Dynamic Resource Allocation Method in Cloud

Capstone Project
JSP, Servlets, JDBC, MySQL, AWS – Distributed Systems, AWS, MOSOS

- Architectured a cloud resource allocation system with 30% efficiency gain by integrating the MOSOS algorithm for dynamic scheduling and execution time reduction in large-scale simulated environments.
- Achieved 95% processing success under peak loads by building a scalable backend using Java Servlets and JDBC for seamless cloud operations.

Smart Burglar Alarm System – SET Conference Paper

Academic Research Project
ML, Python, CNN, Computer Vision, DL, TensorFlow, NumPy

- Achieved 90% accuracy in identifying security threats using customized datasets for real-time intruder detection.
- Utilized Convolutional Neural Networks (CNN) and optimized deep learning models in Python for IoT-driven surveillance scenarios.

ACHIEVEMENTS

Full Stack & Java Development – Hackathons (24 hrs)

Java, JSP, JDBC, ReactJS, Angular, MongoDB, TypeScript, HTML/CSS

- Participated in 2 hackathons focused on Java and Full Stack development; secured top scorer and contributed to both frontend and backend implementation.

Internship – JPMorgan Chase & Co.

Software Engineering Job Simulation (Forage)

- Completed a virtual internship focusing on practical tasks such as Project Setup, Kafka Integration, H2 Integration, REST API Integration, and REST API Controller.