KARTHEEKRAJ BHOGI

BACKEND DEVELOPER

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── PROFESSIONAL SUMMARY ──

Experienced Software Developer with a strong background in designing, installing, testing, and maintaining software systems. Proficient in multiple platforms and programming languages, with hands-on experience in modern development tools and practices. Experienced in building end-to-end machine learning pipelines, including data preprocessing, feature engineering, model training, evaluation, and deployment. Skilled in integrating ML models into production systems for real-time inference. Capable of managing projects independently and collaborating effectively as part of a high-performing team.

── WEBSITES, PORTFOLIOS, PROFILES ──

- www.linkedin.com/in/kartheekrajbhogi

── EXPERIENCE ──

Software Engineer, 10/2021 - Current

Jio Platform Limited – Bangalore

Software Developer | Reliance Jio

JTC (Jio Total Charge – OCS)

October 2021 – November 2024

- Designed and maintained scalable microservices using **Spring Boot**, **Core Java 8**, and **REST APIs** for a mobile recharge platform.
- Owned the **Recharge Module**, leading backend API development, debugging, and integration.
- Developed simulators for **product demos** and **client-side testing**.
- Deployed services using **Docker** in **clustered environments** for high availability.
- Conducted **functional and load testing** using **JConsole**; ensured system resilience.
- Integrated **Kafka** for asynchronous, fault-tolerant communication across services.
- Engineered high-performance data storage using **Aerospike**, ensuring low-latency access.
- Monitored Aerospike clusters for real-time health and availability; tuned performance.
- Improved code quality through **SonarQube** and contributed to CI/CD pipelines.
- Authored technical documentation: HLD, LLD, Functional Specs, and Performance Guides.
- Acted as a **mentor** for onboarding and training new team members.

Machine Learning Developer | VAILS Project (Vigilant Artificially Intelligent Linguistic System)

September 2024 – Present

- Developed end-to-end ML pipelines for **Spam Detection**, **Sentiment Analysis**, **Emotion Detection**, and **Phishing Detection** using **Supervised Learning algorithms**.
- Utilized **Scikit-learn**, **NumPy**, **Pandas**, **Matplotlib**, and **Seaborn** for model training, data preprocessing, and visualization.
- Engineered robust feature extraction techniques for text classification tasks using NLP methods.
- Designed and evaluated models using metrics such as accuracy, precision, recall, and F1-score.
- Implemented secure data logging mechanisms using **Symmetric Encryption** to protect sensitive information.
- Worked in **Python** using **PyCharm** and **Jupyter Notebook** for rapid prototyping and experimentation.
- Collaborated with cross-functional teams to integrate ML models into production systems, ensuring performance and reliability.

EDUCATION

B.Tech: CSE, 07/2021

Sri Sivani College of Engineering - Srikakulam

I have completed my Engineering with 76.60% marks in Computer Science & Engineering.

- 7.66 GPA/CGPA

SKILLS

Programming & Frameworks	Tools & Platforms	Concepts & Methodologies
Core Java	Docker	Object-Oriented Programming (OOPS)
REST APIs	Elastic Search	Software Development Life Cycle (SDLC)
Microservices	Linux	Agile Methodologies
Python	Phabricator	Multithreading
API Development	MS Office	API Integration
Code Development		Project Documentation
Database Management		

Languages

English	Telugu [Mother tongue]
Hindi	

CERTIFICATIONS

- Java stars from Hacker Rank
- Python from Hacker Rank
- MySQL from Hacker Rank
- Postman API testing by Coursera