Aditya Devade

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Education

Indian Institute of Technology, Jodhpur, B.Tech in Computer Science — July 2019 – May 2023

- GPA: 7.4/10
- **Coursework:** Software Engineering, Graph Theory, Introduction to Blockchain, Computational Theory, Pattern Recognition and Machine Learning, Linear Algebra,Probability and Calculus, Computer Architecture

Experience

Software Engineer, Paytm – Noida, India — June 2023 – June 2024

- Architected advanced integration frameworks using Java, Kotlin, and Spring Boot, improving workflows by 30% and reducing synchronization time by 25%
- Developed and maintained over 50 scalable RESTful APIs integrating Apache Kafka for data streaming, enhancing real-time data processing capabilities and reducing system downtime.
- Implemented and oversaw continuous integration and continuous deployment integration by orchestrating Docker, Kubernetes, Jenkins, and AWS
- Played a pivotal role within the RISK Team by crafting and overseeing fraud prevention rules, as well as establishing resilient security protocols to safeguard against potential threats
- Meticulously managed data using MySQL, Redis, and Apache Cassandra, guaranteeing both the integrity and security of sensitive information
- Performance Optimization: Achieved a 20% reduction in API response times and significantly improved system reliability and user satisfaction through effective backend optimizations and integrations

Skills

Languages: : Java, Python, Kotlin, C++, C, Javascript, SQL
Technical Skills: Machine Learning, Deep Learning, Blockchain, Databases (MySQL, Redis, Apache Cassandra), Data Streaming (Apache Kafka), Microservices Architecture, Spring Boot, Data Structures and Algorithms, Backend Development,Object-Oriented Programming, Fraud Prevention, Cloud
Libraries: scikit-learn, NumPy, pandas, Keras, OpenCV
Soft Skills: Strong Stakeholder Management, Excellent Communication

Projects

ElectriFYI — Github: ElectriFyi

- Developed an Android application to monitor and display real-time power consumption data from smart meters.Engineered a desktop application for power providers, enabling graphical monitoring and analysis of consumer power usage.
- Tools Used: ElectronJS, NodeJS, Java (Android), MySQL, and Grafana

Covid Mask Detector — Github: Covid-Mask-Detector

- Designed and trained machine learning models to accurately predict mask usage from images.Applied hyperparameter tuning to optimize model performance, achieving significant accuracy improvements.Leveraged Python for model development and training, focusing on computer vision and public safety. Accuracy on Cross Validation Data: 89%
- Tools Used:K-Nearest Neighbor algorithm, Naive Bayes, Decision tree, Python, Jupyter Notebook

Simrank — Github: SimRank

- Implemented the SimRank algorithm to efficiently handle over 100,000 edges on Directed Acyclic Graphs (DAGs).Enhanced algorithm performance using Compressed Sparse Row (CSR) format and GPU acceleration with CUDA, scaling capability from 400 to 100,000 edges.Demonstrated advanced skills in CUDA programming and large-scale graph processing
- Tools Used:Cuda, CSR, C++, Python