Neelesh Chekuri

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Education

Indian Institute of Information Technology,Sricity   2021 - 2025
Bachelor of Technology in Computer Science and Engineering(GPA: 8.49)   *Sri City, Andhra Pradesh*
- **Relevant Coursework:** : Data Structures and Algorithms, Computer Architecture, Operating Systems, Database, Introduction to Artificial Intelligence and Machine Learning Management Systems, Full Stack Development, Introduction to Cyber Security

Experience

Rakuten   February 2025 - August 2025
Technical Intern   *Bengaluru,India*
- Designed and Developed a comprehensive analytics dashboard using React (Vite) and Quarkus, integrating real-time data visualization tools and Couchbase; improved data-driven decision-making speed by 50% .
- Streamlined backend performance optimizations with Java parallel streams and Quarkus caching, reducing latency by 80% and enabling high-throughput data processing .
- Configured and deployed backend services with Docker and Kubernetes, enabling seamless CI integration and production scalability.
- Performed load testing on Spring Cloud Gateway (up to 10,000 QPS) to validate system performance under production-grade Kubernetes resource constraints (under 70% CPU/memory).
- Created comprehensive internal documentation including component diagrams and high-level architecture (HLD), improving system maintainability and accelerating onboarding speed by 60%.

HireBound   March 2024 - July 2024
SDE Intern   *Remote*
- Built a Resume Intelligence project using NLP and OpenAI APIs to automate resume processing with 95% efficiency; integrated Elasticsearch and vector storage to enable semantic search capabilities.
- Built external and internal analytics dashboards using Retool, JavaScript, and MongoDB—one to improve client decision-making speed by 100% through real-time data visualizations, and another to monitor company-wide metrics and client activity, reducing ad-hoc data requests by 60%.
- Migrated a MondoDB collection to a time-series collection improving the retrieval speed 70%.
- Enabled run time event handling via MongoDB-based configuration presets, reducing redeployments by 80% and allowing production behavior changes without downtime using a feature-flag-like system.

Technical Skills

Languages: Java, Go, C, Python , Java Script, Type Script.
Technologies: Spring Boot, Quarkus, NodeJS, React.js, Express.js, NextJs, TensorFlow, Pytorch, Amazon web Services, Docker, Kubernetes
Databases: MongoDB, MySQL, Couchbase
Concepts: Backend Development, Frontend Development, Operating System, Artificial Intelligence, Machine Learning, Neural Networks, API, Database Normalization, Agile Methodology, Cloud Computing

Projects

PropertyWala Web App | *ReactJs, NodeJs, expressJs, mongoDb* ⚙
- PropertyWala is a dynamic property listing platform that connects potential buyers with property listers and features a blog section to guide users on best real estate practices.
- Implemented secure authentication, node caching for optimized performance, and deployed the platform using Docker and AWS for scalable and reliable server-side operations.

Drowsiness classification using GCN
- Developed a drowsiness detection model using a Graph Convolutional Network (GCN) by extracting facial landmarks and converting them into graph representations. Achieved a 70% accuracy rate in classifying facial images as drowsy or not drowsy.

Mess-Management-System | *Java, JDBC, MySQL* ⚙
- Mess Management System is a Java-based project utilizing JDBC and MySQL to efficiently manage and streamline cafeteria operations, simplifying meal ordering, billing, and inventory management.