AJITH SANTHOSH

Full-Stack Developer | Ernakulam, Kerala

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EDUCATION

Sree Narayana Gurukulam College of Engineering   Jun 2019 – Jul 2023
Bachelor of Science in Computer Science   *Ernakulam, Kerala*

QSpiders Training Institute   Aug 2023 – Mar 2024
Java Full Stack Development   *Kochi , Kerala*

EXPERIENCE

NextGenPro Innovations and EduPark Pvt. Ltd.   Mar 2023 – Apr 2023
Web Development and Machine Learning Intern   *Kochi*

- Developed a real-time disaster detection system with 95% accuracy using Convolutional Neural Networks (CNNs) in Python, integrating image processing and GPS services into an Android app.
- CoImplemented a secure, scalable backend with MySQL, handling data for a growing user base and improving system response times by 30%.
- Enhanced system efficiency by 25% through rigorous testing and created detailed documentation and training materials for ongoing maintenance.
- Increased user interaction by 20% in the disaster app by delivering critical safety information and preparedness tips.

SKILLS

Languages: Python, Java, C, Kotlin, HTML/CSS, JavaScript, SQL (PostgreSQL, MySQL, SQLite).
Frameworks: Django, Spring Boot, React, Angular, J2EE, Bootstrap, Tailwind CSS, WordPress.
Libraries: RESTful APIs, Hibernate, jQuery, HTMX, JUnit, Material-UI.
Developer Tools: Git, Linux/Unix, AWS, CI/CD, GitHub Actions, Jenkins, Docker, Postman, Figma.
Soft Skills: Problem-solving, Communication, Teamwork, Adaptability, Critical thinking, Continuous Learning.

PROJECTS

UrbanCart (E-commerce Application) | *Django, PostgreSQL, HTML, CSS, JavaScript, Tailwind CSS, Docker*

- Developed a full-stack e-commerce platform with product browsing, cart management, and order processing, enhancing user engagement by 20%.
- Integrated Django-based authentication with role-based access (Admin, User) for secure and efficient user management.
- Optimized the frontend with Tailwind CSS, achieving a 15% reduction in load times and improved responsiveness.
- Containerized the application using Docker for consistent deployment across different environments

Smart Contact Manager | *Spring Boot, Spring Security, Java, MySQL, Jenkins, Bootstrap, HTML, CSS, JavaScript*

- Developed a contact management system with features for contact creation, editing, deletion, and advanced search, improving user efficiency by 25%..
- Implemented role-based access control, enhancing security and reducing unauthorized access incidents by 40%.
- Optimized MySQL database performance and added CSV import/export for better data management.
- Designed a responsive front-end using Bootstrap, achieving 100% device compatibility, and used Maven and Jenkins for deployment, ensuring a 95% uptime rate.

Hospital Management System | *Java, Spring MVC, MySQL, HTML, CSS, JavaScript, Bootstrap*

- Engineered a Spring MVC application with CRUD operations across four modular layers, improving performance by 85% and operational efficiency by 40%.
- Implemented Hibernate ORM for effective data management with MySQL, optimizing database interactions and system reliability.
- Utilized Agile practices for iterative development, reducing time-to-market by 30% and incorporating user feedback efficiently.