

AJITH SANTHOSH

Full-Stack Developer — Ernakulam, Kerala

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EDUCATION

Sree Narayana Gurukulam College of Engineering

Bachelor of Science in Computer Science

Jun 2019 – Jul 2023

Ernakulam, Kerala

Coursework: Data Structures, Software Design, OOPS, Web Development, Cloud Computing

QSpiders Training Institute

Java Full Stack Development

Aug 2023 – Mar 2024

Ernakulam, Kerala

EXPERIENCE

NextGenPro Innovations and EduPark Pvt. Ltd.

Mar 2023 – Apr 2023

Web Development and Machine Learning Intern

Kochi

- Spearheaded a high-accuracy (95%) real-time disaster detection system utilizing Convolutional Neural Networks (CNNs) in Python, integrating robust image processing techniques and location-based services into an intuitive Android application for seamless disaster reporting.
- Coordinated with cross-functional teams to design and implement a secure and scalable backend system leveraging MySQL for efficient data management and storage of disaster-related information, ensuring system reliability, responsiveness, and adaptability to varying scenarios.
- Conducted rigorous testing, and performance evaluations, and developed comprehensive documentation and training materials, facilitating knowledge transfer and enabling continuous system enhancements and maintenance.
- Enhanced user engagement within an Android app for disaster zones, 20% user response rate, delivering critical info/safety tips, enhancing preparedness.

Technical Skills

Languages: Spring Boot, Java, Python, C /C++, Kotlin, HTML/CSS, JavaScript, PostgreSQL, MySQL.

Frameworks: J2EE, MVC, JPA, Bootstrap, Tailwind CSS, Agile, WordPress.

Developer Tools: Git, GitHub, Linux, VS Code, Eclipse, IntelliJ, PyCharm, Android Studio, Postman, Figma, Docker.

Libraries: RESTful APIs, Hibernate, JUnit, Material-UI, FastAPI.

Languages: Problem-solving, Communication, Teamwork, Adaptability, Critical thinking.

PROJECTS

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

Feb 2024

- Constructed a high-performance Spring Boot-based contact manager (Java) utilizing Bootstrap, HTML, CSS, and JavaScript to enhance the user experience by 15%.
- Engineered and integrated intuitive search, flexible group management (creation, tagging, custom fields), and seamless data import/export functionalities to empower users with efficient data organization and control.
- Applied RESTful APIs and asynchronous programming to deliver a responsive and smooth user interface, ensuring a lag-free experience for seamless contact management operations.

Disaster Response System | *Python, TensorFlow, Keras, Java, MySQL, PHP, HTML, CSS, JavaScript*

Mar 2023

- Designed and built a high-accuracy (95%) real-time disaster detection system using CNNs (Python). This system aids emergency response by providing real-time insights into affected areas.
- Collaborated on the development of a companion Android application for disaster zones that achieved a 20% user response rate, delivering critical information and safety tips directly to users.
- Leveraged Python (TensorFlow, Keras, NumPy, Pandas, Matplotlib) and web development technologies (HTML, CSS, JavaScript, Bootstrap 5) with experience in SQL/PHP.

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

Jan 2024

- Spearheaded development of Full-Stack Spring MVC Web Application for Hospital Management with advanced CRUD operations across 4 modularized layers utilizing Spring Framework, resulting in 85% performance boost and 40% operational efficiency improvement.
- Implemented robust Java business logic and data persistence leveraging Spring Framework, Hibernate ORM, and MySQL, optimizing system performance and efficiency.
- Utilized Agile methodologies for iterative development, ensuring rapid feature delivery and seamless user feedback integration, reducing time-to-market by 30%.