

AJITH SANTHOSH

Full-Stack Developer — Ernakulam, Kerala

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Professional Summary

Enthusiastic **Full Stack Developer** with expertise in Java, Spring Boot, Python, Kotlin, and web technologies. Proven track record in delivering scalable, user-centric solutions through Agile collaboration. Passionate about clean code, best practices, and leveraging cutting-edge tools to drive innovation. Dedicated team player focused on continuous learning and contributing high-quality work.

Education

Sree Narayana Gurukulam College of Engineering

Bachelor of Science in Computer Science

Jun 2019 – Jul 2023

Ernakulam , Kerala

QSpiders Training Institute

Java Full Stack Development

Aug 2023 – Mar 2024

Ernakulam , Kerala

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Artificial Intelligence
- Systems Programming
- Software Methodology
- Database Management
- Internet Technology
- Cloud Computing

Experience

NextGenPro Innovations and EduPark Pvt. Ltd.

Mar 2023 – Apr 2023

Web Development and Machine Learning Intern

Kochi

- Spearheaded the development of 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.
- Collaborated 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.
- Contributed to Android app for disaster zones, **25%** user response rate, delivering critical info/safety tips, enhancing preparedness.

Projects

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

Feb 2024

- Developed a high-performance Spring Boot-based contact manager (**Java**) utilizing **Bootstrap, HTML, CSS, JavaScript**) to enhance the user experience by **20%**
- Built Implemented intuitive search, flexible group management (creation, tagging, custom fields), and **seamless data import/export functionalities** to empower users with **efficient data organization** and control.

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

Mar 2023

- Designed and built 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.
- Utilized Python (**TensorFlow, Keras, NumPy, Pandas, Matplotlib**) and web development technologies (**HTML, CSS, JavaScript, Bootstrap 5**) with experience in **SQL/PHP**.

Technical Skills

Languages: Spring Boot, Java, Python, HTML/CSS, JavaScript, PostgreSQL, MySQL

Developer Tools: VS Code, Eclipse, IntelliJ, PyCharm, Postman, Figma

Technologies/Frameworks: RESTful APIs, Hibernate, Git, Tailwind, Bootstrap

Leadership / Extracurricular

IEEE Computer Society

Aug 2022 – 2023

Dynamic contributor

SNGCE

- Conducting technical workshops on in-demand topics like Azure and RESTful APIs, demonstrating your expertise and ability to share knowledge effectively.
- Conducted and participated in events, fostering collaboration and communication among researchers, educators, and industry professionals.