# AJITH SANTHOSH

Full-Stack Developer — Ernakulam, Kerala

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## PROFESSIONAL SUMMARY

Highly skilled Java (Spring Boot, Spring MVC) and Python (Django) developer with experience building web applications. Actively expanding knowledge in machine learning. Team-oriented professional with a dedication to crafting high-quality, maintainable code and a growth mindset. Proven ability to deliver results

## 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, **25%** user response rate, delivering critical info/safety tips, enhancing preparedness.

## 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*                                            *Ernakulam , Kerala*

## 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

## 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 **15%**
- 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.
- 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*                                              Jan 2024

- Architected and engineered a Full-Stack **Spring MVC** web application for end-to-end Hospital Management, incorporating **CRUD** functionality across 4 modularized layers: Controller, DAO, DTO, and Service.
- Developed robust Java-based business logic and data persistence mechanisms utilizing Spring Framework, Hibernate ORM, and MySQL, optimizing core processes with **(85%)** performance boost and improving operational efficiency by **(40%)**.
- Leveraged Agile methodologies for iterative development, ensuring rapid feature delivery and user feedback integration.