Veera Jayanth Kuppam

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Experience

HCLTechnologies **Feb 2024 – Present**
Software Engineer
Client: Volvo Cars

– Developing a new application from the ground up, collaborating with a new team and working closely with the client to ensure alignment with business requirements and expectations.
– Worked alongside a team of 3 members focusing on API development with **Java, Spring Boot and YAML** configurations to enhance system scalability.
– Managing secure API hosting by leveraging **3Scale and BizOps CLI**.
– Integrated distributed systems to enhance re-usability, scalability, and consistency, optimizing performance and streamlining operations.

Projects

Airport Management System - *Java, SpringBoot, JPA, MySQL* [Source Code](#)
– Developed a scalable Airport Management System API using **Spring Boot and Java, integrated with MySQL** for efficient data storage, featuring more than 15 APIs.
– Implemented **Role-Based Access Control (RBAC)** with Basic Authentication, enabling user authentication with two roles: Admin and Manager.
– Leveraged **Swagger** for API documentation providing an interactive and user-friendly API for development and testing, which created scalable API endpoints.

Prognosis of Crop Yield Using M. L. Techniques - *Python, HTML, CSS, JS, Flask API* [Source Code](#)
– Designed a **web application** that analyzes user-provided inputs (e.g., rainfall, soil information, and crop type) and predicts crop yield with **92% accuracy** which can help many farmers.
– Applied the **Random Forest Algorithm** to train the model on a dataset of more than 15,000 samples, optimizing predictive accuracy through hyper-parameter tuning.
– **Published a paper** ⧉ on this project in iJRASET in March 2023 titled "Prognosis of Crop Yield Using M.L. Techniques".

Technical Skills

Programming Language: Java, Python, SQL
Backend-Tech: Spring Boot, Hibernate, Spring, JDBC, Microservices
Version Control: Git, Github
Cloud: Azure, AWS, Docker, Kubernetes
Core Subjects: Data Structures and Algorithms, Operating System, Database, System Design, Compile Design
Miscellaneous: Rest API, Debugging, Prompt Engineering, Git, Machine Learning, Internet of Things

Education

KKR & KSR Institute of Technology and Sciences **2019-2023**
Bachelor of Technology in Information Technology —   7.88 CGPA
Sri Venkateswara Junior College **2017-2019**
Class 12 - M.P.C. (Andhra Pradesh Board of Intermediate Education) —   9.75 CGPA
Little Flower E.M. School **2017**
Class 10 (Indian Certificate of Secondary Education — I.C.S.E.)) —   86.33%

Positions of Responsibility

President of RISE Student Organization, Department of IT **2023 - 2024**
– **Founded and led RISE**, a technical club for the new IT department that drives innovation and collaboration among students.
– **Organized technical event**s such as workshops, hackathons, and guest lectures to improve student participation and technical skills.

Resource and Marketing Head of E-Cell KITS **2022 - 2024**
– **Led marketing strategies and resource planning**, driving student participation in entrepreneurial initiatives, and securing industry partnerships and sponsorships.
– **Organized and executed 20+ events and workshops**, fostering entrepreneurial growth through strategic collaborations and industry support.

Certifications and Acheivements

– **Microsoft Certified : Azure Fundamentals** from Microsoft on June 2024
– Introduction to Programming using HTML and CSS from Microsoft Technology Associate on December 2021
– **CYBERSECURITY** 10 weeks Virtual Internship by AICTE
– **AWS CLOUD** 10 weeks Virtual Internship by AICTE
– **First Prize** in Technical Quiz conducted in KITS YUVA 2K22
– Published a paper on **Prognosis of Crop Yield Using M.L. Techniques in iJRASET** in March 2023