VARSHITH SRIRAMOJU

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INTERNSHIP EXPERIENCE

Full Stack Web Development Intern – Pantech Solutions: *(Mar '24- Jun '24)*

- Built and deployed full-stack applications using Java, Spring Boot, Hibernate/JPA, REST APIs, React, HTML/CSS/JavaScript.
- Implemented JWT & Google OAuth security, managed MySQL and Supabase PostgreSQL, containerized with Docker, deployed on Google Cloud Platform's Cloud Run, hosted on Netlify, and used Git/GitHub following SDLC.

PROFESSIONAL SKILS

Languages: Core Java, Python, SQL (MySQL).
AI / ML: Machine Learning (Supervised & Unsupervised), Scikit-Learn, NumPy, Pandas, Matplotlib, Basic Neural Networks
Backend Development: Spring Boot 3.x, Spring MVC, Spring Security (OAuth 2.0, JWT), Spring Data JPA, Hibernate ORM, REST API.
Frontend Development: React, HTML5, CSS3, JavaScript (ES6+), Responsive Design.
Architecture & Cloud: Microservices, Google Cloud Platform (Cloud Run, App Engine, Service API's), Docker.
Testing & Quality: Selenium WebDriver, Page Object Model (POM), Cucumber (BDD), JUnit 5, TestNG.
Tools & Concepts: Git, GitHub, JIRA, Postman, DevOps, Data Structures & Algorithms.

PROJECTS

Smart Inventory Management System(SIMS) & Selenium Automation Testing: *(Mar '24- Jun '24)* *(Live Demo)*

- Developed a Spring Boot–based Smart Inventory Management System with secure login, centralized inventory, and modules for products, stores, sales, and purchases.
- Implemented REST APIs, CSV sales ingestion, low-stock alerts, and real-time analytics using Supabase SQL (cloud database) with JPA/Hibernate. Deployed the containerized backend on Google Cloud Platform(Cloud Run) and hosted the frontend on Netlify.ss
- For testing the above project developed an automated login flow with Selenium WebDriver and Cucumber, Page Object Model to enhance maintainability, explicit WebDriver Waits and reusable step-definition methods, JUnit TestRunner for test execution and Maven handles dependencies and test lifecycle.

Tools & Technologies: Java 21, Spring Boot 3, Maven 3, Docker, MySQL 8, Supabase PostgreSQL (Cloud), Hibernate, RESTful API Architecture, Google Cloud Platform(Cloud Run for backend deployment), Netlify (frontend hosting), Git, GitHub, HTML/CSS/JavaScript, React 18, Maven 3, Selenium 4(WebDriver), POM, Cucumber Java 7, Junit 4.

End-to-End-Full-Stack-Machine-Learning-Smart-Inventory: *(Feb '25- May '25)* *(Live Demo)*

- This end-to-end smart inventory platform integrates a machine learning demand forecasting pipeline using pandas and scikit-learn to predict and optimize stock levels based on historical sales trends.
- It combines this predictive ML logic with a React + TypeScript frontend and a Django REST backend, orchestrating model training and inference via Celery workers.
- The system uses Docker, MySQL, Redis, and automated model retraining to deliver real-time analytics and forecasting insights for inventory management

Tools & Technologies: Python 3, Pandas, NumPy, Scikit-Learn, Machine Learning (Demand Forecasting), Data Preprocessing & Feature Engineering, Django REST Framework (RESTful APIs), React (TypeScript), HTML/CSS/JavaScript, MySQL, Redis, Celery (Async Task Queue), Docker, Git, GitHub, Model Training.

EDUCATION

B.Tech | Computer Science and Engineering (AI & ML) — **CGPA: 7.34/10**
Vaageswari College of Engineering, affiliated to JNTUH — *2021 - 2025*
Intermediate — **CGPA: 9.52/10**
Telangana State Board of Intermediate Education (TSBIE) — 2019-2021
SSC — **CGPA: 9.8/10**
Board of Secondary Education(BSE), Telangana State — 2018-2019

CERTIFICATIONS

Coursera - IBM Full Stack Java Developer and Data Science
Forage - British Airways Data Science Job Simulation & Deloitte Data Analytics Job Simulation
TCS iON – Participated in National Qualifier Test (NQT–IT) exam, September 2024