THILAK REDDY GOPIDI
Full Stack Developer | +1 9896155141 | gopidithilak357@gmail.com | Tampa, FL 33545 | GitHub

PROFESSIONAL SUMMARY

Experienced Full Stack Developer proficient in backend and frontend development, data analysis, and database management. Skilled in Spring Boot, Java, SQL, Python, HTML, CSS, JavaScript, and machine learning. Eager to contribute technical expertise to innovative development projects.

KEY SKILLS

- ★ **Frontend Development:** HTML, CSS, JavaScript, React.js, Angular.
- ★ **Backend Development:** Java-Spring Boot, Python-FastAPI.
- ★ **Tools & Frameworks:** Spring Tool Suite, Eclipse, Visual Studio Code, Postman, Swagger U, Tomcat, JBoss.
- ★ **Data & Analytics**: Power BI, Tableau, Scikit-learn, Pandas, TensorFlow, TensorBoard, Keras, NumPy, MS Access, Excel.
- ★ **Other** : AWS-RDS, Amazon Cloud, Docker, Git, Agile/Scrum, AutoCAD, GIS.

PROFESSIONAL EXPERIENCE

Verizon | *Tampa, USA* *Apr 2023- Oct 2024*

- ❖ **Developed a web application**: Created a web application to send invoice emails from business owners to clients at the end of their subscription, ensuring timely and accurate billing.
- ❖ **Participated in SDLC using Agile**: Involved in the design, development, and support phases of the Software Development Life Cycle (SDLC) using Agile methodology, and actively participated in SCRUM meetings.
- ❖ **Implemented Spring MVC and Hibernate**: Developed the DAO layer using Spring MVC and configurations for Hibernate, and designed the system based on Spring MVC Model architecture.
- ❖ **Migrated and integrated frameworks**: Involved in migrating the project from Spring, Hibernate, SQL Server to JDBC, Oracle, and implemented Dependency Injection (DI/IoC) using Spring Framework.

Assistant Systems Engineer | *TCS (Tata Consultancy Services), Hyderabad, India.* *Jul 2018-Sep 2022*

- ❖ Assisted in the migration of a GSD application from Oracle Forms to a web architecture using Spring Boot and Angular, contributing to improved user experience.
- ❖ Supported the development of RESTful APIs using Java and Spring Boot, aiding in the delivery of web pages for ongoing development cycles.
- ❖ Participated in API testing and documentation using Postman and Swagger UI, helping to ensure the APIs met the required specifications.

PROJECTS

PitLane Pro: F1 Race Data Tracker | *University of South Florida, Tampa, Florida, USA.* *January - June 2021*

- Developed a comprehensive F1 Race Data Tracker application from scratch, utilizing Spring Boot for backend API development and Angular for frontend implementation.
- Integrated real-time race data using external APIs (e.g., Ergast API), ensuring accurate and up-to-date information on race results, driver standings, and constructor standings.
- Implemented robust search and filtering functionalities to allow users to find specific race results, drivers, or teams efficiently, enhancing user experience and data accessibility.
- Deployed the application on Tomcat servers, managing and testing WAR file deployments using tools like Putty and WinSCP, ensuring smooth delivery and performance.
- Achieved high application reliability by implementing comprehensive unit testing with JUnit, achieving 90% code coverage and resolving 95% of reported issues, ensuring robust functionality and performance.

A Tutoring Website | *University of South Florida, Tampa, Florida, USA.* *January - May 2023*

- Conceptualized and executed a comprehensive project to build a tutoring website from the ground up, focusing on front-end development. Employed Visual Studio Code, HTML, CSS, JavaScript, chart.js, and Python's Flask framework to intricately craft a highly intuitive platform.
- Involved in the entire development lifecycle from local design and testing to deploying the website on our college servers.
- Completed website development within a 4-month timeframe, achieving 100% adherence to project milestones.
- Displayed flexibility and teamwork throughout the development process, emphasizing technical expertise and a comprehensive grasp of developing meaningful user experiences. I provided the GitHub link

Vehicle Classification using TensorFlow and Convolutional Neural Networks (CNN) *January - February 2024*

- Developed a convolutional neural network (CNN) model in Python using TensorFlow to distinguish between images of bikes and cars.
- Implemented image preprocessing and augmentation techniques to enhance dataset quality and model performance.
- Utilized TensorBoard for detailed performance tracking and hyperparameter tuning, achieving high classification accuracy.

CERTIFICATIONS

Database Foundations: Database Management | Object-Oriented Programming with Java | Python Quick Start | Python for Data Science Essential Training Part 1 & 2 | Artificial Intelligence Foundations: Machine Learning | Artificial Intelligence Foundations: Machine Learning.

EDUCATION

Master's in Business Analytics and Information Systems, Muma College of Business, University of South Florida, USA.
Relevant Coursework: Data Mining, Machine Learning, Database Management.