Sailavanya Narthu

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https://github.com/SaiLavanya1?tab=repositories https://sailavanya1.github.io/

ABOUT ME

Seattle, WA

Software Developer/Engineer with a strong passion for Machine Learning and a proven ability in Problem Solving. Eagerly pursuing opportunities to contribute to groundbreaking projects while honing skills in software engineering and machine learning domains.

EDUCATION

Illinois Institute of Technology - Master's in Computer Science Aug 2022 – May 2024
Software Engineering, Big Data Technologies, Advanced Database, Machine Learning *Chicago, Illinois*

ANITS - Bachelor of Technology in Information Technology Jun 2017 – May 2021
Data Structures, Artificial Intelligence, Operating Systems, Distributed Systems, Computer Networks *Vizag, India*

SKILLS

Programming: Java, Python, JavaScript, C, C++, C#, SQL, R
Web Technologies: HTML, CSS, ReactJs, JQuery, SpringBoot, NodeJs, Bootstrap, Angular
Databases/BigData: MySQL, PLSQL, MongoDB, DocumentDB, Google Cloud, CI/CD pipelines
Other Technologies: Microservices, RESTful APIs, AWS, Azure, Git, Jira, SDLC, Docker, Numpy, Pandas, TensorFlow

EXPERIENCE

Tata Consultancy Services July 2021 - July 2022
Software Engineer [Tech: Java, Spring Framework, JavaScript, RESTful APIs, Kafka and SQL] *Hyderabad, India*

- Developed and maintained scalable, cloud-ready software applications for Bank of America, optimizing transaction processing, customer account management, and risk assessment functionalities.
- Utilized **Java, Spring Boot, JavaScript,** and **SQL** to design and implement solutions, adhering to coding standards, best practices, and distributed system principles that are foundational for cloud platforms like **Microsoft Azure**.
- Collaborated with cross-functional teams to gather requirements and translate into technical specifications, driving project success.
- Conducted comprehensive code reviews, identifying areas for improvement and implementing changes to enhance performance and maintainability.
- Enhanced customer retention by 15% and increased upselling revenue by 10% through addressing client requests promptly.

Hebeon Technologies July 2020 - Aug 2020
Python Developer Intern [Tech: Python, Numpy, Pandas, Matplotlib, Scikit-learn, Git] *Hyderabad, India*

- Constructed a machine learning model using **Python** and advanced regression algorithms (Linear Regression, Decision Trees, Random Forests) to predict employee salaries based on experience levels.
- Demonstrated the ability to bridge gaps between data science and business objectives through successful model implementation with an accuracy of 92%.

PROJECTS

Amazon Clone — https://github.com/SaiLavanya1/Amazon-Clone January 2022

- Developed a high-fidelity Amazon Clone using JavaScript, React, Firebase, HTML/CSS, and NodeJs. Integrated key features such as user authentication, real-time database, and serverless functions.
- Demonstrated proficiency in **full-stack** development and rapid prototyping.Leveraged React Context API for efficient state management, slashing error rates and processing time by 50%.

Traffic Flow Analysis in Different Weather Conditions — https://github.com/SaiLavanya1/ML_PROJECT Nov 2022

- Analyzed and forecasted traffic patterns with Python, GIS, Numpy, Pandas, and Matplotlib, leveraging **AWS services** such as Amazon Elastic Compute Cloud (EC2) for processing large volumes of traffic data.
- Processed sensor data and accounted for various weather conditions to simulate real-time data processing challenges, achieving an accuracy of 90%.

Image Detection of roads using computer vision — https://github.com/SaiLavanya1/Project-BTech May 2021

- Implemented a robust image classifier with Python, TensorFlow, CNN, OpenCV, Tableau and Edge Detection to identify accidents in self-driving car scenarios.
- This project highlights expertise in computer vision techniques relevant to the field of **machine learning**.