Sailavanya Narthu

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

ABOUT ME   Seattle, WA

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

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, Node.js, Bootstrap, Angular
Databases/BigData: MySQL, PLSQL, MongoDB, DocumentDB, Google Cloud Platform, 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 them into technical specifications, driving project success.
- Conducted comprehensive code reviews, identifying areas for improvement and implementing changes to enhance performance and maintainability.
- Proactively addressed client requests, resulting in a 15% increase in customer retention and a 10% boost in upselling revenue.

Hebeon Technologies   July 2020 - Aug 2020
Python Developer Intern [Tech: Python, Numpy, Pandas, Matplotlib, Scikit-learn, Git]   *Hyderabad, India*
- Successfully developed and implemented a **machine learning** model using Python and advanced regression algorithms (Linear Regression, Decision Trees, Random Forests) to predict employee salaries based on experience levels. This project demonstrated the ability to bridge the gap between data science and business objectives.

PROJECTS

Amazon Clone | *JavaScript, React, HTML/CSS, Node.js*   January 2024
- Developed a high-fidelity Amazon Clone using JavaScript, React, Firebase, HTML/CSS, and Node.js. 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.
- Checkout code here: **https://github.com/SaiLavanya1/Amazon-Clone**

Traffic Flow Analysis in Different Weather Conditions | *Python, AWS, GIS, PowerBI*   November 2022
- Analyzed and forecasted traffic patterns using Python, GIS, Numpy, Pandas, and Matplotlib using **AWS services** like Amazon Elastic Compute Cloud (EC2) for processing large volumes of traffic data.
- The project involved processing sensor data and accounting for various weather conditions, simulating real-time data processing challenges of complex ML tasks by various NLP models.
- Checkout code here: **https://github.com/SaiLavanya1/ML_PROJECT_FALL22**

Image Detection of roads using computer vision | *Python, CNN, TensorFlow, OpenCV, Tableau*   May 2021
- Developed a robust image classifier using Python, TensorFlow, CNN, OpenCV, and Edge Detection to identify accidents in self-driving car scenarios. This project demonstrates expertise in computer vision techniques relevant to the field of **machine learning**.
- Checkout code here: **https://github.com/SaiLavanya1/Final-Year-Project-BTech**