

Sailavanya Narthu

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ABOUT ME

Software 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




Master's in Computer Science

Illinois Institute of Technology
August 2022 - May 2024

B.Tech in Information Technology

Anil Neerukonda Institute of
Technology and Sciences
June 2017 - May 2021

LINKS

 github
 linkedin
 website

SKILLS

Programming

Java • Python • JavaScript • C
• C++ • R • SQL

Web Technologies

HTML • CSS • ReactJS • JQuery •
Spring Boot • Node.js • Bootstrap

Databases

MySQL • PLSQL • MongoDB •
DocumentDB

Other Technologies

Microservices • RESTful APIs • AWS
• Azure • Git • Jira • SDLC • Docker •
Numpy • Pandas • TensorFlow

COURSEWORK

Graduate Studies

Machine Learning
Computer Networks
Advanced Database Organization
Big Data Technologies
Software Engineering

Undergraduate Studies

Operating Systems
Theory of Computation
Data Structures and Algorithms
Artificial Intelligence
Distributed Systems

EXPERIENCE

Tata Consultancy Services - Software Engineer | Hyd,India July 2021 - July 2022

- 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.
- **Tech:** Java, Spring Boot, JavaScript, RESTful APIs, and SQL

Hebeon Technologies - Python Developer Intern | Hyd,India July 2020 - Aug 2020

- 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.
- **Tech:** Python, Numpy, Pandas, Matplotlib, Scikit-learn, Git

PERSONAL PROJECTS

Amazon Clone

Jan 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 on **GitHub**.

Traffic Flow Analysis in Different Weather Conditions

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.
- Checkout code on **GitHub**.

Image Detection of roads using computer vision

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 on **GitHub**.

CERTIFICATIONS

- **AWS** Certification - UDEMY
- Introduction to **Artificial Intelligence** course – LinkedIn Learning
- Microsoft Certified - **Azure** Fundamentals
- Python for Everybody and Python Data Structures – COURSERA

Co-CURRICULAR ACTIVITIES

- Presented a paper on **Blue Brain** in Radian 2k19.
- Volunteered as a cultural coordinator during college fest.
- Participated in an Artificial Intelligence workshop at **IIT Bombay**.