

Sailavanya Narthu

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ABOUT ME

Illinois Tech graduate student specializing in comprehensive Software Engineering, deeply passionate about leveraging Big Data Technologies, Software Project Management, Machine Learning and Problem Solving. Actively looking for Full-time opportunities to apply and further develop my expertise in these 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 • Spring Boot

Databases - MySQL • PLSQL

• MongoDB • DocumentDB

Frameworks/Other Tools - Numpy

• Pandas • AWS technologies • Azure

• Git • Jira • SDLC

COURSEWORK

Graduate Studies

Machine Learning

Computer Networks

Science of programming

Advanced Database Organization

Big Data Technologies

Software Project management

Software Engineering

UnderGraduate Studies

Operating Systems

Theory of Computation

Design Analysis and Algorithms

Data Structures

Artificial Intelligence

Software Testing

Web Technologies

EXPERIENCE

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

- **Bank of America:** Developed and maintained software applications for banking operations, encompassing transaction processing, customer account management, and risk assessment. Designed and executed software solutions using Java, Spring Boot, and SQL, ensuring compliance with coding standards and best practices.
- Collaborated with product managers, business analysts, and stakeholders to collect requirements and convert them into technical specifications. Engaged in code reviews, pinpointed areas for refinement, and executed enhancements to enhance performance and maintainability.
- Proactively addressed client requests, resulting in a 15percent increase in customer retention and a 10percent boost in upselling revenue, demonstrating a track record of impactful projects.
- **Tech:** Java, SQL, Spring Boot

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

- Successfully developed and implemented a machine learning model aimed at predicting employee salaries based on their experience levels. Leveraged a regression algorithm, applying a data-driven approach to provide accurate and meaningful predictions. This project demonstrated an ability to bridge the gap between data science and business objectives.
- Utilized advanced regression algorithms to build the predictive model, including but not limited to Linear Regression, Decision Trees, and Random Forests. This required a deep understanding of statistical methods and the ability to fine-tune the models for optimal performance.
- **Tech:** Python, Numpy, Pandas, Jupyter Notebook

PERSONAL PROJECTS

Traffic Flow Analysis in Different Weather Conditions

November 2022

- The primary goal is to analyze and forecast traffic using the provided data, by using the sensors and traffic monitoring system to account for more traffic circumstances. (Python, GIS, Data Visualization, Numpy, Pandas)
- Checkout code on **Github**

Image Detection of roads using computer vision

May 2021

- Developed a robust image classifier based on image processing and road detection in self-driving vehicles to identify accidents happening using self-driving cars. (Python, Computervision, CNN, OpenCV, Edge Detection)
- Checkout code on **Github**

Online blood donation management

April 2020

- Designed and developed a web application to manage blood donation using an online management system. This project was designed to simplify the complex process of tracking and searching for blood donors, resulting in a smooth and efficient donor management experience. (JavaScript, CSS, HTML, UX design, OOAD models)
- Checkout code on **Github**

CERTIFICATIONS

- Completed "Introduction to Artificial Intelligence" course – **LinkedIn Learning**
- "Python for Everybody" and "Python Data Structures" – **COURSERA**
- **NPTEL** – Problem solving through C.
- **Microsoft Certified** - Azure Fundamentals

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**."