

Mehul Jhaver

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EDUCATION

Master of Science in Computer and Information Sciences

Aug 2021 - May 2023

University of Florida, Gainesville - GPA: 3.73/4.0

Relevant Coursework: Analysis of Algorithms, Machine Learning, Advanced-Data Structures, Software Engineering, Database Management Systems

Bachelor of Technology in Computer Science and Engineering

Aug 2016 - May 2020

Manipal University, Jaipur - GPA: 8.8/10.0

TECHNICAL SKILLS

Programming Languages: Python, R, Java, C/C++, SQL

Web Technologies and Databases: JavaScript, React.js, Flask, MySQL, PostgreSQL, MongoDB

ML Libraries/Framework: Pandas, Keras, Tensorflow, PyTorch, NumPy, Scikit-Learn

Software Development Tools: Git, Bitbucket, Jira, Confluence

WORK EXPERIENCE

Samsung Semiconductor Inc.

May 2022 - Aug 2022

Software Development Intern

San Jose, CA, USA

- Devised and implemented a caching algorithm that enabled 1024 threads to simultaneously access file attributes, resulting in a 33% acceleration of file attribute access
- Streamlined the process of adding, accessing, and removing file attributes from the cache, enhancing overall efficiency

Risk Edge Solutions

Aug 2020 - July 2021

Machine Learning Engineer

Hyderabad, India

- Designed and implemented a robust Machine Learning model that successfully identified anomalous transactions, resulting in a 53% reduction in manual transaction verification
- Engineered a sophisticated name-matching model to effectively identify account holders who were probable suspects of money laundering
- Mentored and supervised a team of 2 interns on ongoing projects, ensuring the successful completion of ongoing projects

CallHealth Services Pvt. Ltd.

Jan 2020 - June 2020

Machine Learning Intern

Hyderabad, India

- Engineered a Recommender System for personalized health care recommendations, resulting in a 10% boost in sales
- Utilized comprehensive analysis of historical customer data to develop personalized recommendations based on individual purchase patterns
- Demonstrated expertise in leveraging ML techniques to deliver tailored healthcare recommendations, improving customer satisfaction and engagement

PROJECTS

Employee Turnover Prediction System

- Devised a Machine Learning model that predicted voluntary resignations by employees of an organization with an accuracy of 91.3%
- Successfully predicted an employee's voluntary resignation and also estimated the time span and likelihood of leaving

Recommender System

- Implemented simple, content-based, collaborative filtering and hybrid recommender systems as a course project
- Provided personalized recommendations to users based on content, previous history, and a combination of both

Identifying Inconsistencies in Network Data using ML

- Created a Machine Learning model to detect anomalies in network data. Explored and evaluated different methods to identify inconsistencies and suggested recommendations for practical application and achieved 93% accuracy in identifying potential security breaches using the K-Nearest Neighbors algorithm

Recipe Sharing App

- Developed a Recipe Sharing App using React.js and Flask, allowing users to view, add, and edit recipes
- Implemented a responsive user interface using React.js for the frontend and utilized Flask as the backend framework for API handling and interacting with the PostgreSQL database