Mehul Jhaver

Phone: 352-888-3378 | Email: mehuljhaver@gmail.com
Website: MehulJhaver | LinkedIn: MehulJhaver | GitHub: mehuljhaver4

EXPERIENCE

Samsung Semiconductor, Inc., *DCT Storage Software Development Intern* **May 2022 – August 2022**

Achieved accelerated file attribute access by 33% through the design and optimization of a caching algorithm

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

Risk Edge Solutions, *Machine Learning Engineer* **August 2020 - July 2021**

Achieved 53% reduction in manual transaction verification through the development of a powerful Machine Learning model

- Designed and implemented a robust Machine Learning model that successfully identified anomalous transactions, streamlining the verification process
- Engineered a sophisticated name-matching model to effectively identify account holders who were probable suspects of money laundering
- Mentored and supervised a team of two interns on ongoing projects, ensuring successful completion of ongoing projects

CallHealth Services Pvt. Ltd., *Machine Learning Intern* **January 2020 - June 2020**

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

TECHNICAL SKILLS

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

Version control: Git, Bitbucket

Web Technologies: JavaScript, React.js, Flask

Operating Systems: Windows, Linux, Mac OS

Databases: MySQL, PostgreSQL, MongoDB

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

Applied ML: Machine Learning techniques, prediction, statistical analysis, predictive data modeling, and computer vision

EDUCATION

Master of Science in Computer and Information Sciences, *University of Florida, Gainesville* **August 2021 – May 2023**
GPA: 3.73/4.0
Coursework: Analysis of Algorithms, Machine Learning, Advanced-Data Structures, Software Engineering
Bachelor of Technology in Computer Science and Engineering, *Manipal University, Jaipur* **August 2016 – May 2020**
GPA: 8.8/10.0

PERSONAL 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 to interact with the PostgreSQL database