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

Software Development Intern **May 2022 - Aug 2022**
Samsung Semiconductor Inc. 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

Machine Learning Engineer **Aug 2020 - July 2021**
Risk Edge Solutions 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 two interns on ongoing projects, ensuring the successful completion of ongoing projects

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