Mehul Jhaver

GitHub | LinkedIn | Portfolio | mehuljhaver@gmail.com | 352-888-3378

Education

Master of Science in Computer and Information Sciences **Aug 2021 - May 2023**
University of Florida, Gainesville GPA: 3.73/4
Relevant Coursework: Analysis of Algorithms, Machine Learning, Advanced-Data Structures, Software Engineering
Graduate Student Assistant: Math for Intelligent Systems, Machine Learning

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, JavaScript, Java, C/C++, SQL
Web Technologies and Databases	React.js, Django, Flask, RESTful API, MySQL, PostgreSQL, MongoDB, REDCap
ML Libraries/Framework:	Pandas, Keras, Tensorflow, PyTorch, NumPy, Scikit-Learn
Software Development Tools:	Docker, Git, Bitbucket, Jira, Confluence

Work Experience

University of Florida - Clinical and Translational Science Institute **Aug 2023 - Present**
Software Engineer II Gainesville, FL, USA

- Developed data-driven health and medical software, including automating clinical data reports and enhancing address data quality through a contact registry and tracking system
- Demonstrated strong testing and debugging abilities, ensuring system reliability, and actively contributed to problem-solving and system analysis tasks
- Oversaw server management, focusing on reliability, scalability, and performance optimization, while deploying updates and applications in close collaboration with the development team

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

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