

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

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

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|------------------------------------|---|
| Programming Languages: | Python, R, JavaScript, Java, C/C++, SQL |
| Web Technologies | React.js, Django, Flask, RESTful API |
| Databases | 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 | Python, R, JavaScript, Git, Docker, MySQL, Agile

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 | C/C++, OOP, Multithreading, Linux, Operating System

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 | Python, R, RShiny, Tensorflow, Keras, PyTorch

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 | Python, Scikit-Learn, Pandas, MongoDB

- Engineered a high-precision Machine Learning model in Python, harnessing Scikit-Learn and Pandas, to forecast voluntary employee resignations with an impressive 91.3% accuracy
- Successfully predicted an employee's voluntary resignation and also estimated the time span and likelihood of leaving

Recommender System | Python, PostgreSQL, React.js, Django

- Developed a variety of recommendation systems using Python, fully leveraging PostgreSQL as the backend database
- Crafted personalized recommendations for users based on content, historical interactions, and hybrid algorithms, with a user-friendly React.js frontend and a robust Django backend

Recipe Sharing App | React.js, PostgreSQL, Flask, RESTful API

- Innovated and delivered a Recipe Sharing App with a dynamic, responsive React.js frontend
- Orchestrated a streamlined backend using Flask for seamless RESTful API interactions and seamless connectivity with the PostgreSQL database, empowering users to effortlessly discover, contribute, and enhance their favorite recipes