JOGENDRA ANIRUDDH AYATHA

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EDUCATION

Master of Science in Information Technology April 2024
University of Cincinnati, Cincinnati, OH 4.0 GPA
Master of Technology in Software Engineering(Integrated) May 2022
Vellore Institute of Technology, AP, India 3.5 GPA

TECHNICAL SKILLS

Programming Languages: C, C++, C, Java, Vue.js, React, Typescript, Python, SQL, HTML, CSS
Packages and Frameworks: AngularJS, Django, FXML, NumPy, Pandas, SciPy, Scikit-Learn
Coursework: Operating Systems, Computer Networks, Distributed Systems, Database Systems, System Programming with C, Linux Systems Internals and Computer Architecture
Tools: FitNesse, AdobeXD, Visual Studio code, Anaconda Navigator, Jupyter, Git, JupyterNotebook, AtlassianJIRA, MicrosoftOffice
Core Competencies: Dynamic Programming, Object-oriented programming, Greedy Algorithms, Networking Fundamentals

PROFESSIONAL EXPERIENCE

Alstom India Pvt Ltd, Karnataka, India: Post Graduage Engineer Trainee July 2022 – Dec 2022

- Elevated cybersecurity by identifying threats, including virus attacks, and conducting security incident analysis.
- Implemented strategic planning in an Agile/Scrum environment to deliver enhanced security.

Vocera Communications, karnataka, India: QA Engineer Sep 2021 – July 2022

- Enhanced device compatibility and patient care by performing manual testing on Vocera Ease devices in a collaborative medical team.
- Improved efficiency by automating test scripts with FitNesse, achieving a 70 % positive incline in test results, and optimizing JIRA ticket management in an Agile/Scrum environment.

Codegnan IT Solutions, Andhra Pradesh, India: Intern May 2020 – June 2020

- Developed and deployed a full-stack blog application with user authentication, post creation. Utilized Django for both front-end and back-end, incorporating MySQL for database management.

ACADEMIC PROJECTS

Sudoko Solver Fall 2023
Intuitive UI Optimized Backtracking Algorithm.

- Created a user-friendly UI for a smooth puzzle-solving experience; used creative constraint propagation strategies; used sophisticated backtracking algorithms and optimized data structures for accurate and efficient solving.
- Adopted strict testing, optimization, and code quality methods to maintain unwavering standards; proactively used backtracking optimizations over brute-force techniques for better performance, demonstrating bias for action.

Movie Recommendation System Spring 2024
Collaborative Filtering Java Application.

- Developed a movie recommendation system using Java, implementing collaborative filtering algorithms for personalized suggestions based on user ratings and preferences, showcasing technical acumen and collaborative efforts.
- Optimized data loading and processing from text files, enhancing recommendation accuracy and performance; integrated automated testing and validation to ensure robust and reliable functionality, demonstrating a proactive approach.

ACTIVITIES

Microsoft Technology Associate (MTA)
Introduction to Python Programming