SHVEJAN SHASHANK MUTHEBOYINA
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EDUCATION

New York University, New York, USA — *09/2022 - 06/2024*
Master of Science, Computer Engineering GPA: 4.0

Sreenidhi Institute of Science and Technology, Hyderabad, India — *08/2018 - 07/2022*
Bachelor of Technology, Computer Science

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, Typescript, Java, HTML, CSS, C, C++, SQL
Development Tools: React, React Native, Django, Flask, Node.js, SQL, Git, Linux, AWS, Oracle, Postman, REST API
Robotics: Autonomous robotics, Deep Learning, Computer Vision

PROFESSIONAL EXPERIENCE

Software and Information Systems Intern, Retensa — ***05/2023–08-2023***

- Developed and optimized the frontend of the company's flagship revenue-generating product using jQuery, ColdFusion, serving over 1000 users.
- Generated innovative ideas to elevate user experience, resulting in enhanced engagement and retention rates on the application.
- Led end-to-end testing for new features, ensuring seamless integration and a high standard of quality in the application's functionality.
- Identified and reported production code bugs to senior developers, showcasing meticulous attention to detail and commitment to software excellence.
- Developed a streamlined CI/CD pipeline, automating deployment processes to significantly increase code release frequency and reliability.

Software Engineering Intern, NYU IT — ***01/2023– present***

- Currently developing a Business Intelligence portal for NYU, enabling data analytics capabilities across diverse data sources.
- Designed and implemented intricate AWS Lambda functions to seamlessly extract data from diverse university data sources by building ETL pipelines, including Oracle UDW+ and Workday. Developed resilient RESTful APIs using API Gateway for efficient and secure data access.
- Actively participated in the software development lifecycle, using DevOps tools for rapid release and code quality.
- Redesigned the website for improved responsiveness and mobile compatibility, achieving performance and scalability gains.
- Proposed and developed a search algorithm for the platform which improved the performance of the site by 81%

Project Lead & Full Stack Web Developer Intern, HWSaver LLP — ***06/2020 - 03/2022***

- Led a team of 10 to develop a machine learning-based web application, ensuring timely project delivery.
- Developed React components for seamless integration, code longevity, and maintainability.
- Reviewed and merged pull requests, providing constructive feedback to team members.
- Implemented backend access control and login systems, improving security and user authentication.

Frontend Developer Intern, NearbyGrocer — ***05/2020 - 06/2020***

- • Led the creation of an e-commerce website with a responsive design, improving user experience.
- • Utilized React and REDUX architecture to build a robust and functional website.
- • Collaborated with designers to implement wireframes, resulting in an appealing and user-friendly website.

PERSONAL PROJECTS

3D Third Person Open-World Video Game, Unreal Engine, C++ (Demo Video)

- Developed a 3D open-world interactive video game demonstrating proficiency in Object-Oriented Programming in C++ where the player fights against AI-controlled enemies by maneuvering in a forest-like environment.
- The game was implemented using Unreal Engine 5's cutting-edge features like the lumen global lighting system, and Nanite geometry system, and also features enemy damage detection, line tracing of bullets, and enemy spawning.

Habit Builder App, React Native (Github link)

- Developed a cross-platform app to encourage habit formation and daily routines.
- The app is built using React Native and Google Firebase and includes features such as gesture navigation and animations.

Autonomous Luggage Carrier Robot, - C++, Arduino (Research Paper) *Published in IEEE Xplor*

- Designed and built an autonomous robot that can carry passenger luggage, enhancing travel convenience.
- Utilized GPS and Magnetometers for path determination, and ultrasonic sensors for obstacle detection.
- Published a research paper on this project, showcasing the innovative design and execution in IEEE Xplor