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
GPA: 3.6

TECHNICAL SKILLS

Coding Languages: Python, JavaScript, Typescript, Java, HTML, CSS, C, C++
Tools: React, React Native, Django, Flask, Node, SQL, Robotics, Git, Linux, AWS, Oracle, Postman, REST API

EXPERIENCE

Web Developer Intern, NYU IT *01/2023– present*

- Currently developing a Business Intelligence portal for NYU, empowering data scientists and data analysts with powerful analytics capabilities across diverse data sources.
- Successfully designed and implemented complex AWS Lambda functions to extract data from multiple university data sources, including Oracle UDW+ and Workday, and developed robust RESTful APIs using API Gateway to ensure seamless data access.
- Demonstrated a deep understanding of the complete software development lifecycle, collaborating closely with cross-functional teams to drive the development process, from ideation to deployment, and employed best-in-class DevOps tools in AWS to ensure code quality and rapid release.
- Significantly enhanced the user experience of the website by redesigning the website to make it responsiveness and mobile-friendly. Additionally, implemented some architectural improvements to drive performance and scalability gains in the codebase.

Full Stack Web Developer Software Intern *(Project Lead),* HWSaver LLP *06/2020 - 03/2022*

- Worked as a **Project Lead** and led a team of 10 interns working on a machine learning-based full-stack web application
- Leveraged a deep understanding of React to create highly maintainable, well-tested, accessible, and well-documented React components, enabling seamless integration and future-proofing of the codebase.
- Reviewed, merged pull requests, and provided feedback to the team members
- Developed middleware including access control and login systems for authenticated users on the backend using **Django, Python**
- Leveraged a deep understanding of React to create highly maintainable, well-tested, accessible, and well-documented React components, enabling seamless integration and future-proofing of the codebase.

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

- Led the development of an e-commerce website that satisfied the client's requirements with responsive design that enhanced the user experience.
- Utilized industry-standard technologies, such as React and REDUX architecture, to build a reliable and functional website and pushed code to production.
- Collaborated closely with designers to implement wireframes to improve the user interface. Worked together to balance design requirements with technical feasibility to achieve a visually appealing and user-friendly website.

Technical Head for Deep Learning and Computer Vision, The Robotics Club - SNIST *09/2020– 12/2021*

- Taught more than **200** students how to implement Deep Learning and Computer Vision in Robotics
- Mentored students working on multiple robotics and computer-vision-based projects

PERSONAL PROJECTS

3D Third Person Shooter Video Game, Unreal Engine, C++ (Demo Video)

- Made a 3D open-world interactive shooting video game with realistic graphics, animations, and high-end Physics where the main character fights **AI-controlled enemies**
- Used Object Oriented Programming in C++ to implement enemy damage detection, line tracing of bullets, enemy spawning, etc

Habit Builder App, React Native (Github link)

- Built a cross-platform Android and IOS app that motivates the users to develop habits and daily routines by giving them rewards for maintaining streek
- The app is developed using **React Native** and **Google Firebase** and has features like **Gesture navigation** and cool **animations**

Autonomous Luggage Carrier Robot, - C++, Arduino (Research Paper)

- Designed and built a smart autonomous robot that can carry the luggage of a passenger by following them
- The robot uses GPS and Magnetometers to determine its path, and ultrasonic sensors are used to avoid any obstacles in its way by finding an alternative path.
- A research paper is published on this project in IEEE Xplore