

Naga Nikshith Gangarapu

3472341640 | naganikshith02@gmail.com | <https://www.linkedin.com/in/naga-nikshith-gangarapu-b37354188/> |

EDUCATION

University of North Carolina at Charlotte Charlotte, North Carolina Master's in UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE IN COMPUTER SCIENCE GPA 4.0 - Aug. 2022 - Dec 2023

Swami Vivekananda Institute of Technology Hyderabad, Telangana B.TECH IN INFORMATION TECHNOLOGY GPA - 8.45/10 - Jul. 2017 - Jul 2021

EXPERIENCE

System Engineer

Jul. 2021 – Jul. 2022

TATA Consultancy Systems

Hyderabad, India

- Contributed significantly to the development of the frontend and backend codebase for a mission-critical project, playing a key role in the strategic selection of ReactJS and NodeJS after thorough architectural analysis.
- Engineered highly responsive and dynamic user interfaces using ReactJS, implementing Redux for streamlined state management and React Router for seamless single-page application (SPA) routing.
- Developed secure REST APIs in NodeJS with the Express framework, ensuring optimal performance for core business logic and data services. Implemented advanced asynchronous data handling on the frontend. Reduced authentication time by 25%, optimizing user interactions.
- Applied expertise in natural language processing (NLP) to create standalone modules, enabling conversational UI and intelligent features. Implemented modules, contributing to a 15% improvement in conversational UI functionality.
- Successfully implemented intricate UI features, including multi-level drag-and-drop editors, facilitating CRUD operations on entities and ensuring synchronized updates with the backend.
- Collaborated seamlessly with cross-functional teams throughout all stages of the Software Development Life Cycle (SDLC), ensuring the delivery of high-quality solutions.

Full Stack Developer

Aug 2019 - Oct 2019

CPP SECRETS

Remote

- During my 2-month tenure, I was responsible for developing multiple small features for the website, which included designing and implementing a quiz application, structuring the website to enhance its usability and functionality, and integrating all features into the website seamlessly.
- In developing the quiz application, I leveraged my expertise in frontend development and database management to create a user- friendly and engaging experience for the website's users. I also worked diligently to structure the website in a way that was intuitive and easy to navigate, allowing users to find what they need quickly and easily
- Technologies used: PHP, SQL, VanillaJS, JavaScript

PROJECTS

Converting hand drawn wireframes to HTML code: | *ReactJS, TensorflowJS, ML/DL, HTML, CSS*

- Developed a deep learning solution to convert hand-drawn website wireframes into HTML code to streamline web design. Trained LSTM and CNN models on custom dataset to accurately recognize wireframe elements.
- Integrated models into web app powered by ReactJS and TensorFlowJS, enabling designers to rapidly create web pages.

Smart Attendance USING FACE RECOGNITION | *OpenCV, Python, Git, HTML, CSS, JS*

- Engineered an automated attendance system using facial recognition to identify students. Built application with OpenCV and Python, collecting labeled facial images across various conditions.
- Developed and tested face classification models to detect and recognize faces with over 90% accuracy. Integrated cost-effective model into web interface for easy administrator access to attendance data.

TECHNICAL SKILLS

- Languages: JavaScript, Python, C/C++, MongoDB, SQL, HTML/CSS, PHP, C#
- Databases: MySQL, Redis, MongoDB, GraphQL
- Deployment: Azure, AWS Cloud, Docker, Kubernetes
- Frontend: HTML, CSS, Bootstrap, React
- Backend: NodeJS, Express, Spring Boot, MVC
- Libraries: Numpy, Pandas, Matplotlib, Scikit-learn
- Development Tools: VSCode, Postman, Jira, Pytorch
- Development Methodologies: Agile, Scrum
- Version Control: Git, GitHub, Bitbucket
- Operating Systems: Linux(Ubuntu), Windows