

SAIMANVITH ANANDESI

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[GitHub](#) [Linkedin](#)

Career Profile

Result-driven graduate and full stack developer with 4+ years of experience in building performant front-end interfaces and back with React, Node.js, Python, MongoDB, and other JavaScript-based stacks.

Work Experience

Wipro, Associate Software Developer (Hyderabad, India)

DEC 2019 - Dec 2022

- Developed reusable React components like user profile, product display, and chat box using React, Redux Thunk, Bootstrap, HTML, and CSS. Components were modularized to enable reuse across multiple projects.
- Implemented lazy loading techniques like React lazy and Webpack code splitting to load components on demand, improving website performance by 3%. This enhanced user experience with faster access to information.
- Led a 4-person team to develop a text comparison tool using Java, Spring Boot, JUnit and Selenium. The tool enabled automated UI testing and localization validation of the Spanish version of a banking website.
- Implemented a multilevel caching optimization system using Redis and Memcached to optimize API response time.
- Integrated the PubNub API and SDK to add real-time messaging and notification capabilities, including 1-on-1 chats, alerts, and push notifications. Developed React components for chat UI and Redux middleware to interface with PubNub.

University of North Texas, Library Assistant – Denton, Texas

Assisted with photographing and digitizing materials using and scanning equipment and uploaded them to UNT Libraries.

Technical Skills

Programming Languages/Databases: Python|C#|Java|MySQL|livesql|SQLITE|PostgreSQL|Redis|MongoDB

Data Visualization Tools: PowerBI|Tableau|OpenRefine

Software Tools: React.js, HTML|CSS|JavaScript|REST API|Express|jQuery|Redux|GraphQL|JUnit

Web Technologies: HTML|CSS|Bootstrap|Javascript|React.js|REST API

Education

University of North Texas, Denton, Tx (Masters in Computer Science), *CGPA: 3.70/4*

DEC 2024

CVR College of Engineering, Hyd (Bachelors in Electrical), *CGPA: 4/4*

AUG 2020

Projects

Streamlining Campus Dining | *Web Development*

Java, Spring Boot, RestApi, ReactJs

Developed a fullstack website for students to register, block tables, pre-book meals, display items & prices, Add to cart option.

Discriminate the roads and field boundaries of an aerial image | *Image Processing*

- Led a two-member team to complete the overall accuracy of the image using image processing techniques. Utilized Matlab software and Canny, Sobel, Gabor, Gabor bank filters.
- Displayed the overall Accuracy as 79% of the original image.

Etsy: Developed an Etsy-like MERN stack web app, transitioning between SQL & NoSQL databases and benchmarked with JMeter, deployed on AWS EC2 containers. Further enhanced using GraphQL and React Apollo Client.

Diabetes detection and Visualization system: Developed a diabetes prediction and visualization tool using a variety of machine learning models. Implemented Logistic Regression, KNN, SVM, Random Forests, XGBoost, and LightGBM models. Optimized hyperparameters to improve cross-validation scores.

Stack Overflow: Designed and developed 3-tier distributed application using MERN stack with RESTful APIs to implement functions of stack overflow and enhanced the application by integrating a one-to-one chat interface for the users of the application