NAGACHANDRA MOULI PANYAM

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EDUCATION

Sardar Vallabhbhai National Institute of Technology (NIT Surat)
Surat, Gujarat
B.Tech in Electronics and Communication Engineering - CGPA: 7.82/10
Jul 2019 - May 2023

SKILLS

Programming and Scripting Languages	JavaScript (ES6+), TypeScript, Python, SQL, HTML, CSS, SCSS
Frameworks and Libraries	React.js, Next.js, React Native, Redux, Tailwind CSS, Express.js
Backend Technologies	Node.js, Express.js, NestJS, REST API, GraphQL, WebSockets
Databases	MySQL, PostgreSQL, MongoDB, Firebase
Cloud and Deployment	AWS (EC2, S3, Beanstalk), Netlify, Heroku, Docker, Kubernetes
Development Tools	Visual Studio Code, Postman, Docker, Figma, Webpack, Babel
Version Control	Git, GitHub, GitLab, Bitbucket
Testing	Jest, Cypress, Mocha, Chai
System Administration	Linux, Bash Scripting, Nginx, PM2
Soft Skills	Problem-Solving, Effective Communication, Agile Methodology

WORK EXPERIENCE

Lead Engineer Sep 2023 - Present
TP Southern Odisha Distribution Limited (TPSODL)

- Led the execution of critical updates to the **GIS web application**, attaining a 30% increase in system reliability metrics and providing ongoing support that **reached over 1,000 active users per week**.
- Streamlined server-side logic by integrating **Node.js**, which facilitated a 50% reduction in response times for data queries, enhancing overall application performance and usability for end-users. Database management with **PostgreSQL** and deploying scalable, containerized applications using **Kubernetes** and **Docker**.

PROJECTS

AI ChatBot - React, Redux, Nodejs, MERN Stack, JWT Authorization, OpenAI Integration, MogoDB

- Crafted a robust SaaS chatbot solution that enabled real-time customer interactions and improved response times by 60%, while storing user sessions in MongoDB for enhanced data retrieval and analysis.
- Devised an advanced user authentication protocol utilizing JWT tokens and HTTP-only cookies.

ExpensifyX - Javascript, React, Redux, React Router, Firebase Authentication, Axios   live-demo

- Designed and developed an intuitive budget management app. Integrated Firebase Authentication for secure access and Firebase Realtime Database for instant data synchronization with 100% secure routes.
- Used **Axios** calls to Firebase Realtime Database API, reducing load times by 30% and improving scalability.

Burger Queen - React, Responsive design, Tailwind CSS   live-demo

- Developed a food ordering web application with an interactive burger filtering system that enables a dynamic user interface to search by name and price, improving menu navigation efficiency by 40%.

ACHIEVEMENTS

- Secured first place as the winner of "Ethical Crossroads in AI," a case study competition organized by TPSODL.
- Presented an innovative and creative solution for COVID-19 at the Thrive Challenge event.
- Solved a broad range of over **250 problems based on data structures and algorithms**, highlighting proficiency in designing and implementing efficient solutions.

POSITION OF RESPONSIBILITY

- Handled bugs and shown team working ability in completing the projects. QR code app for object details **saved poject capitalization by 30%**. In final year made project successful by using latest technologies.
- Executed 6 technical workshops, which enhanced student engagement in computer science by 45%.