

PANYAM NAGACHANDRA MOULI

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EDUCATION

Sardar Vallabhbhai National Institute of Technology (NIT Surat)

B.Tech in Electronics and Communication Engineering - CGPA: 7.82/10

Surat, Gujarat

Jul 2019 - May 2023

SKILLS

Programming and Scripting Languages	JavaScript, Python, C++, SQL, HTML, CSS, SCSS
Frameworks and Libraries	React.js, Next.js, React Native, Redux, Tailwind CSS, Express.js
Backend Technologies	Node.js, Express.js, REST API, GraphQL, WebSockets
Databases	MySQL, PostgreSQL, MongoDB, Firebase
Cloud & DevOps	AWS, Docker, Kubernetes, CI/CD
Development Tools	VS Code, Postman, Figma, Webpack, Babel
Version Control	Git, GitHub, GitLab
System Administration	Linux, Nginx,
Other Skills	Excel, Agile Methodology, Communication, Code Review

EXPERIENCE

Tata Power (TPSODL) | *Lead Engineer* | *Full-Stack Development and DevOps* Sep 2023 - Present

- Developed and authenticated RESTful APIs endpoints using Node.js, Express.js, MongoDB, PostgreSQL and JWT. Provided ongoing support that **reached over 1,000 active users per week**.
- Created an innovative QR code web app for fetching object details that saved **project capitalization by 30%**.
- Configured **virtualized node_modules inside Kubernetes pods, optimizing multi-stage Docker builds** for faster deployments and efficient package management in DevOps workflows.
- Automated 20+ scheduled email reports monthly using Nodemailer and Axios, integrating Excel generation and delivery to managers, enhancing internal reporting efficiency by over 60%.
- Build and deployed scalable full-stack applications with React.js, and Redux Toolkit, implementing server-side rendering (SSR) and efficient state management.

PROJECTS

Array Visualizer & Code Editor - React, React context, Monaco Editor [project](#)

- DSA Array Visualizer & Code Editor lets you write and visualize array-based algorithms with 100% live feedback.
- Supports Python and JavaScript, covering 90% of common array DSA problems interactively. Includes a Monaco editor with 100% theme-switch and real-time output.
- Ideal for 80% of learners aiming to strengthen DSA concepts complexity analysis visually and practically.

ExpensifyX - Javascript, React-Redux, JSON, React Router, Firebase Authentication, Axios [project](#)

- Designed 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 - Front-end, React, Responsive design, Tailwind CSS, Web development, SEO [project](#)

- 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

- Solved a broad range of over **250 problems based on data structures and algorithms**, highlighting proficiency in designing and implementing efficient solutions.
- Secured first place as winner of “Ethical Crossroads in AI,” a case study competition organized by Tata Power.
- Displayed exceptional troubleshooting and team collaboration throughout full-stack project cycles.