

PANGALA VARUN NAYAK

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PROFESSIONAL SUMMARY

Frontend and Full Stack Software Engineer with **3+ years** of experience building enterprise web and mobile applications using **React.js, Next.js, Angular, React Native, TypeScript, JavaScript, Node.js, Supabase, MongoDB, PostgreSQL, REST APIs, and SCSS**. Experienced in developing scalable SaaS products, AI-powered applications, reusable component libraries, responsive user interfaces, and performance optimized web applications using Agile methodologies.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, HTML5, CSS3, SQL

Frontend: React.js, Next.js, Angular, Redux, Tailwind CSS, SCSS

Backend: Node.js, Express.js, REST APIs, MongoDB, PostgreSQL, Supabase

Mobile: React Native, Expo, Ionic

AI: Generative AI, Prompt Engineering, Ollama, OpenAI APIs

Cloud & DevOps: Vercel, GitHub Actions, CI/CD

Tools: Git, GitHub, Jira, Postman, Figma, VS Code, Jest

PROFESSIONAL EXPERIENCE

Software Engineer

Jul 2025 – Present

Robosoft Technologies

- Engineered reusable Angular and Kendo UI components for the BSI Connect auditing platform including Sankey, Funnel and Pyramid visualizations.
- Developed the **Connect Assistant**, an AI-powered enterprise search and knowledge discovery feature using Angular, reusable components, dynamic filters, sorting, and contextual search workflows to improve user productivity and information retrieval.
- Developed image editing workflows, camera integrations and reusable UI libraries improving maintainability and user experience.
- Expanded engineering capabilities by developing React Native mobile applications.

Associate Software Engineer

Sep 2023 – Jun 2025

Robosoft Technologies

- Delivered Angular modules for UTI Mutual Fund distributor and investor portals serving millions of users.
- Built a mobile web UPI payment proof of concept using intent based deep linking.
- Developed enterprise applications for Trinity Broadcasting Network and British Standards Institution.
- Built SEO optimized Angular and Next.js applications with reusable components and improved performance.

Trainee Software Engineer

Aug 2022 – Aug 2023

Robosoft Technologies

- Developed React.js features for the Room to Read platform supporting global education initiatives.
- Built training projects using React.js, JavaScript and SCSS.

Software Engineering Intern

Mar 2022 – Jul 2022

Robosoft Technologies / IISc Bangalore

- Developed React based admin interfaces for an e-learning platform.
- Contributed to Bhojpuri-Hindi ASR research and data collection during internship at IISc.

PROJECTS

Odyssey - Gamified Productivity Platform

React Native, Expo, TypeScript, Supabase

- Built a gamified productivity application where users complete randomly generated tasks, unlock achievements, maintain streaks, and progress through an engaging RPG-inspired experience.
- Implemented Supabase authentication, cloud synchronization, analytics, journaling, and a modern animated UI using reusable React Native components.

GhostChat - Real-Time Messaging Platform

Next.js, TypeScript, Supabase

- Developed a real-time messaging platform supporting secure authentication, persistent conversation history, and responsive cross-device communication.
- Integrated Supabase Authentication and database services while building reusable frontend components for a seamless chat experience.

Sportz Score - Real-Time Sports Scoring Platform

Next.js, TypeScript, WebSockets

- Built a live sports scoring platform featuring real-time score updates, match management, team statistics, and responsive dashboards.
- Implemented WebSocket-based communication for low-latency live score synchronization and instant match updates.

MedSlot - Healthcare Appointment Platform

Next.js, Appwrite, Twilio

- Developed a healthcare appointment management platform enabling patients to schedule appointments and receive SMS confirmations.
- Built an administrative dashboard for managing doctors, appointments, and booking workflows using Appwrite and Twilio services.

DocSync - Collaborative Document Editor

Next.js, Liveblocks

- Developed a collaborative document editor supporting real-time editing, live synchronization, and multi-user collaboration.
- Integrated Liveblocks to enable shared workspaces with low-latency document updates.

CERTIFICATIONS

- Google AI Professional Certificate (Coursera): AI Fundamentals, AI for Research, AI for Data Analysis, AI App Building, AI Content Creation, AI Communication.
- Become a Professional React Developer Specialization (Coursera / Scrimba): React, Advanced React, React 19, Performance Optimization.
- IBM – Databases and SQL for Data Science with Python.

EDUCATION

Bachelor of Engineering in Electronics and Communication Engineering

N.M.A.M Institute of Technology

2018–2022

CGPA: 8.57