

Someshwar Joshi

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EDUCATION

VNR Vignana Jyothi Institute of Engineering and Technology

Bachelor of Technology in Computer Science

Hyderabad, Telangana

Sep. 2024 – Present

EXPERIENCE

Software Engineer Intern

July 2025 – November 2025

FORTE

Hyderabad, India

- Architected and developed **ForteHR**, a full-stack AI-powered HR analytics platform using React, TypeScript, Vite, and Supabase, enabling employee feedback, recognition, and attrition insights across multiple user roles
- Implemented **role-based access control (RBAC)** with Supabase Auth and Row-Level Security (RLS) policies, delivering separate secured dashboards for Employees, Managers, and HR teams
- Integrated **OpenAI API** to build an AI-powered HR assistant providing real-time analytics insights and intelligent support for HR decision-making
- Designed a responsive, component-driven UI with Tailwind CSS ensuring cross-device accessibility and consistent user experience across all dashboard views

PROJECTS

ZorFin | *React, Node.js, Express, MongoDB, JWT, Jest, Recharts, Tailwind CSS* | [Live Demo](#) Mar 2026 – Apr 2026

- Built a full-stack financial analytics platform using React 19, Node.js/Express 5, and MongoDB, architecting Aggregation Pipelines for monthly, weekly ISO, and rolling 7-day trend analysis in a single DB round-trip
- Implemented a **multi-tier RBAC system** with JWT-based stateless authentication and Bcrypt password hashing, enforcing Admin, Analyst, and Viewer access controls across 15+ RESTful API endpoints
- Designed 28+ modular React components with custom hooks, integrating Recharts for real-time data visualization and 4+ compound MongoDB indexes for optimized time-series query performance
- Authored 7+ Jest/Supertest integration and stress-test suites alongside a custom Smoke Testing Runtime to validate API health and environment consistency across deployments

PhishGuard | *React, TypeScript, Node.js, Express, PostgreSQL, Redis, Python, Gemini AI, Docker* | [GitHub](#) Jan 2026 – Mar 2026

- Engineered a real-time AI-powered browser security extension using React 18, TypeScript, and Chrome Manifest V3, implementing multi-layered phishing detection across URLs, redirects, and file downloads
- Built a hybrid threat detection pipeline combining **Scikit-learn (RandomForest/TF-IDF)** trained on 50,000+ malicious URL records with Google Gemini AI to generate human-readable phishing explanations
- Developed a scalable Node.js/Express REST API with 6+ endpoints, Redis-based rate limiting, Zod schema validation, and Prisma ORM over PostgreSQL with JSONB-indexed threat signals
- Architected an automated **ML pipeline** in Python for dataset cleaning, model training, and metadata export to a TypeScript inference engine with offline fallback support

ACHIEVEMENTS

Webathon | *Winner*

Feb 2026

- Built Post-Op Guardian, an AI-powered post-surgery recovery platform for real-time monitoring and structured post-operative care

Designathon | *2nd Runner-Up*

Mar 2026

- Built PhishGuard, a real-time browser-based phishing detection system analyzing web behavior and email content beyond static blacklists

TECHNICAL SKILLS

Languages: C, C++, Java, Python, JavaScript, TypeScript, HTML/CSS, SQL

Frameworks & Libraries: React.js, Node.js, Express.js, Tailwind CSS, Bootstrap, GraphQL

Databases: PostgreSQL, MongoDB

Developer Tools: Git, Docker, VS Code, Eclipse, IntelliJ IDEA

COURSEWORK

Data Structures & Algorithms, Operating Systems, Database Management Systems, Object Oriented Programming

ACTIVITIES & PARTICIPATIONS

Research Paper Presentation | *ICACECS 2025*

Aug 2025

- Presented “*Integrating EF-BER with Clustering and KNN for Enhanced Water Quality Assessment*” at the 6th International Conference on Advances in Computer Engineering and Communication Systems, VNR VJIET

Volunteer | *ISTE Student Chapter, VNR VJIET*

2025 – Present

- Actively contributing to organizing technical events and workshops for the student community