OM PATIL

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PROFILE SUMMARY

Computer Science graduate and Full-Stack Software Developer experienced in building enterprise applications using React.js, Node.js, TypeScript, and PostgreSQL. Skilled in REST API development, authentication, database management, and responsive web interfaces. Strong foundation in data structures, algorithms, OOP, and problem-solving, with practical experience developing and maintaining software solutions.

EDUCATION

Vellore Institute of Technology
Oct 2026

B.Tech in Computer Science and Engineering

CGPA: 8.47/10

TECHNICAL SKILLS

- **Languages**: C++, TypeScript, JavaScript (ES6+), SQL, HTML5, CSS3
- **Frameworks & Libraries**: React.js, Node.js, Express.js, TypeORM, Socket.io, React Bootstrap, Vite
- **Databases**: PostgreSQL, MongoDB, MySQL
- **Core Concepts**: Data Structures & Algorithms, OOP, DBMS, REST APIs, Authentication, Database Transactions, RBAC
- **Developer Tools**: Git, GitHub, Postman, RabbitMQ, ExcelJS, PDFKit, Vercel, Render

WORK EXPERIENCE

Junior Software Developer (Full Stack) June 2026 – Present
JoinWith, Nagpur, Maharashtra (Onsite)

- Developed modules for CognoRx, a pharmaceutical wholesale ERP system, using React 19, TypeScript, Node.js, Express 5, and PostgreSQL.
- Built a POS and billing interface supporting thousands of SKUs, batch selection, discount schemes, and automated GST/HSN calculations.
- Implemented FEFO-based inventory management with batch tracking, expiry alerts, and supplier return workflows.
- Developed a double-entry accounting module using PostgreSQL transactions and BigInt calculations to maintain accurate financial records.
- Created bulk Excel import and PDF invoice features; implemented JWT authentication, OTP verification, RBAC, and API rate limiting.
- Worked on REST API integration, database queries, and frontend-backend coordination to support reliable ERP workflows and smooth data handling.

Full Stack Developer Intern Mar 2026 – June 2026
JoinWith, Nagpur, Maharashtra (Remote)

- Contributed to frontend development, REST API integration, and database operations for CognoRx; received a Pre-Placement Offer (PPO) for a full-time role.
- Assisted in developing reusable React components, connecting APIs, and testing application features to improve usability and functionality.

KEY PROJECTS

ZenChat | | **Tech:** React, Node.js, Express, Socket.io, RabbitMQ Dec 2025

- Built a real-time messaging application using React.js, Node.js, and Socket.io, enabling instant bidirectional communication through WebSockets.
- Implemented OTP-based login, JWT authentication, and session management to provide secure user access.
- Integrated RabbitMQ for asynchronous messaging with consumer reconnection handling; deployed the application on Vercel and Render.
- Developed RESTful APIs for user and message management, connecting frontend components with backend services for data retrieval and storage.

Agro-Aid | | **Tech:** HTML, CSS, JavaScript, REST APIs July – Sep 2024

- Led frontend development of a responsive agriculture platform with interfaces for crop and fertilizer recommendations.
- Integrated OpenWeatherMap APIs for live weather and five-day forecasts, with multilingual support using Google Translate.
- Connected frontend forms to backend prediction APIs using JavaScript Fetch to process inputs and display recommendations.
- Improved usability through responsive layouts, form validation, and mobile-friendly design for consistent functionality across devices.

LEADERSHIP & VOLUNTEERING

Social Volunteer, Foundation for Rural & Agri. Dev. Dec 2025

- Conducted organic farming and vermicomposting awareness activities across five villages in Jalna.

Event Core Member, Marathi Club, Vellore Institute of Technology 2024 – 2025

- Managed logistics and vendors for a cultural festival with 500+ attendees, achieving a 15% budget surplus.

CERTIFICATIONS

- **Full Stack Web Development (MERN Stack), SmartBridge**