

Vandit Jain

Software Engineer | Full Stack Developer

barolavandit@gmail.com | +91 6359531333 | [Portfolio](#) | [LinkedIn](#) | [GitHub](#)

PROFILE

Full Stack Software Developer with experience building enterprise-scale ERP, CRM, and HRMS platforms using React.js, Next.js, Node.js, Express.js, and MongoDB. Strong foundation in cybersecurity with published research in medical image fusion and cryptographic systems, focused on developing secure, scalable, and high-performance software solutions.

EDUCATION

• B.Tech. in Computer Science & Engineering

Bennett University | CGPA: 9.54/10.00

Sep 2022 – Apr 2026

Greater Noida, India

PROFESSIONAL EXPERIENCE

• NorthRise Estate Pvt. Ltd.

Full Stack Developer

Tech Stack: React.js, Next.js, Node.js, Express.js, MongoDB, REST APIs, JWT, RBAC

Nov 2025 – Present

On-site

- Designed, developed, and deployed multiple full-stack enterprise applications using React.js, Next.js, Node.js, Express.js, and MongoDB, following RESTful architecture and secure coding practices.
- Developed the company's official websites with responsive UI, SEO optimization, and secure authentication, reducing page load time from **4.8s to 1.9s** and improving Google Lighthouse Performance from **58 to 94**.
- Built and deployed **The Rise**, an enterprise HRMS platform supporting attendance, leave management, workflow automation, organizational hierarchy, internal discussions, polls, and employee operations.
- Developed **ONEDESK**, an 8-module ERP platform managing procurement, vendor workflows, purchase orders, GRN, invoicing, inventory, and finance operations, supporting **900+ inventory records** and **16 RBAC roles**.
- Engineered a centralized **CRM platform** for customer lifecycle management, project inventory, unit allocation, booking workflows, customer mapping, and operational tracking.
- Implemented **50+ REST APIs**, JWT authentication, Role-Based Access Control (RBAC), database security, and collaborated with business stakeholders to deliver secure production applications.

INTERNSHIP EXPERIENCE

• Soul2Soul Technologies

Frontend Developer Intern

Tech Stack: React.js, JavaScript, HTML5, CSS3

Feb 2025 – Apr 2025

Remote

- Developed the company's responsive website using React.js, JavaScript, HTML, and CSS, implementing reusable UI components and optimized user experience.
- Collaborated with the design team to translate UI/UX concepts into responsive web interfaces while contributing to branding assets.

• BlueRose Technologies

Software Trainee Intern

Tech Stack: Python, React.js, Node.js, JavaScript, REST APIs, MongoDB

Jun 2024 – Aug 2024

Bangalore, India

- Developed a dashboard application using React.js and REST APIs to visualize real-time operational metrics for 20+ internal users.
- Migrated legacy frontend modules to React.js and integrated backend APIs using Node.js, improving application responsiveness and code maintainability.

SKILLS

- Programming Languages:** C++, Python, JavaScript (ES6+), SQL, Bash
- Frontend:** React.js, Next.js, Redux, Context API, HTML5, CSS3, Tailwind CSS
- Backend:** Node.js, Express.js, REST APIs, JWT Authentication, OAuth, API Integration
- Databases:** MongoDB, MySQL
- Tools & Deployment:** Git, GitHub, Vercel, Netlify, Hostinger, CI/CD, VS Code
- Cybersecurity:** RBAC, Vulnerability Assessment, Cryptographic Systems, Wireshark, Kali Linux
- Core Computer Science:** Data Structures & Algorithms, Object-Oriented Programming, DBMS, Computer Networks, Operating Systems
- Other Technologies:** OpenCV, Unit Testing, Agile/Scrum

ACADEMIC PROJECTS

ScaleDesk – Enterprise ERP & CRM Platform 2026
Tech Stack: Next.js 14, Node.js, Express.js, MySQL 8, JWT, Google OAuth, PDFKit, Nginx, REST APIs, AES-256 Encryption

- Designed, developed, and deployed a production-ready ERP & CRM platform digitizing lead management, client onboarding, project execution, invoicing, payment reconciliation, contract management, referral commissions, expense tracking, and financial reporting.
- Architected a modular backend using the Controller–Service–Repository pattern with **22 database tables, 15 backend modules, 44 frontend pages**, and secure REST APIs supporting real-world business workflows.
- Implemented JWT authentication, Google OAuth, role-based access control (3 user roles), AES-256 encrypted banking data, PDF generation, and deployed the application using Nginx with Let’s Encrypt SSL.

MVault – Offline Personal Finance Manager 2025
Tech Stack: React Native (Expo), TypeScript, Zustand, AsyncStorage, React Native Paper, Chart Kit

- Developed a fully offline personal finance application with PIN-based authentication and encrypted local storage, eliminating internet dependency.
- Implemented income, expense, lending, borrowing, multi-account management, transaction history, and real-time balance calculations.
- Designed an analytics dashboard with interactive charts, category insights, PDF reports, and JSON import/export for secure local backups.

BahiKhata – Offline Billing & Inventory Management System 2025
Tech Stack: Electron.js, Python, SQLite, jsPDF, jsPDF-AutoTable

- Developed an offline desktop application for billing, inventory management, customer records, and invoice generation.
- Integrated PDF invoice generation, WhatsApp sharing, payment tracking, inventory monitoring, and sales analytics.
- Built using Electron.js and SQLite to deliver a lightweight cross-platform desktop solution.

AgniShield – AI-Powered Adaptive Firewall 2024
Tech Stack: Python, React.js, JavaScript, MongoDB, Machine Learning

- Developed an adaptive firewall with a centralized web console for monitoring, analyzing, and responding to suspicious network activities.
- Integrated multiple cybersecurity utilities into a unified dashboard, simplifying security monitoring and incident management.
- Applied machine learning techniques for context-aware threat detection and firewall rule optimization.

RESEARCH PUBLICATIONS

“A Recent Survey on Multi-modal Medical Image Fusion,” *Biomedical Informatics and Smart Healthcare (ICCK)*, Accepted, 2025. (Lead Author)

“Bi-SWT-GAN: A Hybrid Guided Filter-based Multimodal Medical Image Fusion using Pre-Trained GAN Model,” *The Open Bioinformatics Journal*, Under Review, 2025. (Lead Author)

- Research focuses on multimodal medical image fusion using deep learning and GAN-based hybrid approaches.
- Contributions aim to enhance diagnostic accuracy and clinical decision-making in healthcare imaging.

BOOK CHAPTER

“Healthcare Industry Assessment: Analyzing Risks, Security, and Reliability,” Springer, 2024. (Lead Author)

CONFERENCE PAPERS

BioPKI: Identity Authentication with Biometric Public Key Infrastructure in Healthcare Systems, IEEE ANTS, 2024. (Published)

Enhancing Cyber Security Protocols in Distributed Environments with Advanced Cryptographic Techniques, SMART International Conference, 2024. (Published)

CERTIFICATIONS

- **Certified Ethical Hacker Certification by EC-Council** December/2024
- **Certified SOC Analyst v1** May/2025

AWARDS AND ACHIEVEMENTS

Hackathons: Cyber Cup 3.0 (2023) Finalist | AgniShield – 1st Position in Cybersecurity Track | Navdhara’2024 Finalist

Academics: Secured 2nd Position in Senior Secondary School

Recognition: Uttarakhand Governor’s Appreciation for “HideX” project, proposed for Indian Army use.