

# Rupesh Bhadane

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## Education

### **Sinhagad Academy of Engineering, Pune**

B.E in Computer Engineering

August 2023 – May 2026

GPA: 3.5/4.0

- **Coursework:** Artificial Intelligence, Data Structures and Algorithms, Database Systems, Advanced Data Science, OOP

### **K.K.Wagh Polytechnic, Nashik**

Diploma in Computer Technology

August 2020 – May 2023

GPA: 4.0/4.0

## Skills

**Languages :** C, C++, C#, Java, Kotlin, Python, JavaScript, TypeScript, SQL, HTML, CSS, PHP, GoLang

**Frameworks :** Node.js, Express.js, Django, React.js, Next.js, Springboot, Angular, Tailwind, Three.js Material-UI, Panda, Tensorflow, GSAP, npm, Lazy Loading, Responsive Design, Figma, WebGL

**Databases :** MySQL, MongoDB, Postgres, Firebase

**Tools:** Docker, Postman, Salesforce, Git/GitHub, OAuth2.0, JWT, AgileEnvironment, VSCode, EmailJS, Bolt.New, Lovable, ChatGpt, Perplexity, Android Studio.

**CloudServices:** AWS, GitLab CI/CD, Firebase

## Experience

### **Software Development Intern**

Xmega.

Pune, MH, India

Jan 2025–Mar2025

- Developed and deployed a full-stack E-commerce application for a client using React, Node.js, and MySQL, improving user experience and enabling smooth online transactions.
- Guided student teams on their capstone projects by handling both frontend and backend development, accelerating project completion and enhancing code quality.
- Optimized APIs and database operations, reducing server response time by 18% and ensuring scalability for future feature integration

### **Web Developer Intern**

SachiTech Pvt.ltd

Nashik, MH, India

Jun 2022 – Oct 2022

- Collaborated with a team of 2 interns to design, develop, and enhance the organization's official website using HTML, CSS, JavaScript, and React, improving overall UI/UX and site performance.
- Debugged and resolved issues in multiple ongoing company projects, reducing software errors by 20% and ensuring smooth deployment of new features
- Contributed to cross-functional development tasks, streamlining workflows and strengthening project delivery timelines through effective teamwork and problem-solving.

## Projects

### **Opacity Social - Project Management Platform**

**Skills:** Android, Kotlin, Firebase, Project Leadership, Collaboration Tools, Real-Time Systems

- Led a 4-member team to develop a mobile project management platform with real-time tracking, file sharing, and collaboration tools, enhancing student productivity and team coordination.
- Adopted by college staff for cultural event coordination, reducing mismanagement issues and boosting organizational efficiency across multiple teams.
- Deployed across the entire campus, where students used it to manage their final-year projects, making project tracking and submissions more streamlined and transparent.

### **Eco-Swap - Waste Reduce & Item Swapping platform**

**Skills:** React, Node.js, Express.js, Firebase, Python (ML), Sustainability Solutions, Team Leadership

- Led a 4-member team to design and develop EcoSwap, a sustainability-driven platform that enabled students to swap, borrow, and donate items, reducing campus waste and cutting student expenses.
- Built secure exchange features and AI-powered recommendations with React, Node.js, Firebase, and Python, ensuring smooth transactions and increasing successful matches by 25%
- Executed with strong organizational support, facilitating charity donations, organized swap events, and measurable environmental and financial benefits to the student community.

## Research Papers

- Published research on “**AI as a Collaborative Tool: Enhancing Workplace Efficiency Without Replacing Human Jobs**”, highlighting how AI can enhance workplace efficiency, augment human capabilities, and promote ethical human-AI collaboration. - IJSREM (Apr 20, 2025)
- Published research paper “**Social Productivity Platform: A Study of Collaboration, Communication and Productivity**”, analyzing how the Opacity Social Android app improves team collaboration, communication, and project management efficiency.- IJSREM ( Apr 4, 2023)

## Certifications

**Udemy** - JAVA Programming , Full Stack Development, React Crash Course, Mastering AWS Serverless. **3ODC** - Master MERN stack, Use of AI Tools

## Achievements

- Won two inter-college project competitions for innovation and usability for Opacity Social, highlighting leadership, technical skills, and project execution excellence.
- Received “Outstanding Intern” recognition at Sachitech Pvt. Ltd. for exceptional contribution to web development and bug resolution across multiple organizational projects.