

PREMVED DHOTE

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Education

Pimpri Chinchwad College of Engineering

November 2022 – May 2026 (Expected)

Bachelor of Technology in Computer Engineering

Pune, Maharashtra

Technical Skills

Languages & Frameworks: C, C++, JavaScript, Python, TypeScript, SQL, React.js, Node.js (Express.js), Tailwind CSS
Databases & Tools: MongoDB, MySQL, Redis, Git, GitHub, Docker, Kubernetes, CI/CD, Postman, Vercel, AWS
Core CS & Methodologies: Data Structures, Algorithms, OOP, RESTful API Design, Microservices, Agile, Scrum, Machine Learning, Data Analysis, Cybersecurity

Experience

Attestr

April 2025 – June 2025

Software Developer Intern

Remote

- Architected and deployed a centralized logging infrastructure using **PM2** and **Pino Logger** in a **Node.js/Express** microservices environment, integrating **AWS CloudWatch** for real-time log streaming and automated error tracing. This reduced incident resolution time by **40%** and improved system reliability.
- Developed a full-stack API monitoring platform with a **React**-based real-time dashboard and custom **Express** middleware for latency tracking, providing API performance visibility across distributed services.
- Implemented a **MongoDB** data store for **P95/P99** performance metrics and a **Redis** caching layer, which optimized query response times and successfully lowered the resolution time for production issues by **35%**.

Technical Projects

ApplyBuddy | Chrome Extension, React, Node.js, MongoDB, Redis, n8n, Gemini AI

June 2025

- Engineered a **Manifest V3 Chrome extension** with an AI-powered 8-method field detection algorithm, achieving **95%+ autofill accuracy** and **reducing form-filling time by 80%** across platforms like LinkedIn and Greenhouse. Performed debugging on full-stack applications, optimizing performance by 30%.
- Developed a responsive job management dashboard using **React** and **Tailwind CSS** with advanced filtering, deadline tracking, and real-time search, which improved user productivity in organizing applications.
- Architected a scalable **Node.js/Express** backend with **MongoDB** and **Redis** caching for sub-200ms API response times; integrated **n8n** and **Gemini AI** to parse, summarize, and store job postings from the **Google Gmail API**. Developed automation workflows with **n8n**, reducing video consumption time by 75%.

MediScanAI | React.js, Tailwind CSS, Node.js, Express.js, MongoDB, Clerk, REST API, Gemini AI

March 2025

- Built a full-stack AI-powered medication management platform with OCR-based prescription parsing, achieving **95%+ extraction accuracy** to digitalize patient records.
- Pioneered secure user authentication with **Clerk** and designed personalized dashboards with smart reminders and appointment alerts, enhancing data security and patient engagement. Implemented cybersecurity measures in Clerk-authenticated platforms for secure data handling.
- Designed a scalable microservices backend with **RESTful APIs** and **MongoDB** for OCR, analytics, and real-time data synchronization across all devices. Deployed containerized apps using Docker and Kubernetes for scalable microservices.

YouTube Video Summarization Platform | Nhost, n8n, Gemini AI

January 2025

- Engineered an AI-powered platform that reduces video content consumption time by **75%** through automated summarization using **Gemini AI** models.
- Streamlined transcript processing with **n8n** workflow automation, achieving **95%+ summary accuracy**.
- Deployed a scalable backend on **Nhost** and crafted a responsive UI, driving **40%** higher user engagement.

TravelCrow | React, Tailwind CSS, Firebase, Gemini API, Pexels API, Vercel, OnRender

August 2024

- Led full-stack development of a responsive travel platform with a modular UI in **React** and **Tailwind CSS**; integrated the **Gemini API** to auto-generate personalized itineraries and travel content, boosting user engagement by **40%**.
- Integrated dynamic imagery from the **Pexels API** and deployed via **Firebase**, **Vercel**, and **OnRender** to ensure high performance, scalability, and seamless cross-device usability.

Achievements & Extracurricular Activities

- Competitions & Hackathons:** Achieved 1st place in Reverse Hackathon and ACM-W Web Development Competition. Fostered team collaboration in hackathons, securing top 10% rankings in 5+ events.
- Publication:** Co-authored “Using OCR for the Extraction of Data for Warranty and Receipt Management,” accepted for Springer Nature at ICTIS 2025, Bangkok.
- Open Source:** Maintained a position as a Top 10 contributor in Hacktoberfest PCCOE with 10+ quality pull requests (PRs). Utilized version control (Git) in collaborative projects to ensure code integrity.
- Competitive Programming:** Maintained a 2-star rating on CodeChef and solved over 500 problems on platforms including LeetCode and GeeksforGeeks.