

PRANAV PATIL

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Education

Pimpri Chinchwad College of Engineering
Bachelor of Technology in Computer Engineering

Nov 2022 – May 2026

Work Experience

Software Intern, Quick Heal

Aug 2025 – Present

- Engineered and thoroughly unit-tested 15+ reusable Angular components, creating a centralized UI library that cut frontend development time by 30% and improved cross-team scalability.
- Designed and integrated REST + GraphQL services for the Seqrite Threat Intelligence platform, enabling reliable CRUD operations for 1,000+ threat records and improving system accuracy and fault tolerance.
- Optimized SigTrack antivirus signature-tracking workflows using OOP best practices and performance profiling, reducing ticket resolution time by 20% and boosting module performance by 15%.

Projects

Sahakar – Interdepartmental Collaboration Platform

Project Link

- Architected a cross-platform project directory and task management system using Node.js, REST APIs, JWT, and modular architecture, improving coordination across 5+ departments and reducing project delays by 25%.
- Implemented 3D GIS data-sharing and geo-tagging with spatial processing, altitude differentiation, and vector-tile rendering, improving planning accuracy and reducing conflicts by 30%.
- Developed a real-time communication and task-escalation system with Socket.IO, delivering low-latency event handling and boosting issue-resolution speed by 40%.

UrlHub – Scalable URL Management Platform

Project Link

- Engineered a scalable Next.js + React platform with Google/GitHub OAuth, delivering reliable authentication and managing 10,000+ URLs for 500+ active users with consistent low-latency performance.
- Built a high-throughput real-time analytics dashboard using lazy loading and MongoDB aggregation pipelines, reducing page load time by 40% and improving system responsiveness under peak traffic.
- Strengthened platform reliability by implementing secure, indexed API routes with input validation, rate limiting, and optimized query patterns, cutting API latency by 35% and improving system stability.

Technical Skills

Languages: C++, C, Python

Web: HTML, CSS, JavaScript, TypeScript

Frameworks: React, Next.js, Angular, Node.js, Django

Databases: MongoDB, SQL, PostgreSQL

Tools: GitHub, Linux, Docker, VS Code, AWS

CS Fundamentals: DS, OOP, Testing, Debugging, Distributed Systems

Achievements

- Winner, Smart India Hackathon 2024 (Software Edition, PS-ID-1724).
- 3-star CodeChef (Max Rating: 1656), top 3%.
- Global Ranks: 74/15,000+ (Starters 159), 225/15,000+ (Starters 153).