

# AYUSH ANAND

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## Experience

### PrepSOM Labs

June 2025 – July 2025

Software Development Intern

Mumbai

- Developed backend APIs with FastAPI and MongoDB (Beanie ODM) to power psychometric assessments and mock interview reports, processing 1,000+ user submissions during the internship.
- Designed and implemented algorithms for OCEAN personality trait scoring and career/skill recommendation engines, enabling personalized growth paths for users.
- Built a resume generation system using Jinja2 + WeasyPrint PDF rendering, allowing users to create job-tailored resumes in under 5 seconds.
- Integrated LinkedIn OAuth2 APIs for authentication, certificate uploads, and automated post publishing, driving an estimated 30% increase in user sharing/engagement.
- Followed modern engineering practices (async programming, modular design, error handling) and collaborated with senior developers via code reviews, agile sprints, and peer feedback, ensuring scalable and maintainable code delivery.

## Projects

### PrepAi – AI Assessment Platform | Next.js, TypeScript, PostgreSQL, NextAuth, Docker, GitHub Actions GitHub

- Architected a scalable and modular full-stack platform using Next.js and TypeScript with feature-based structure and reusable API patterns for maintainable development.
- Implemented secure authentication with NextAuth and PostgreSQL (Prisma), ensuring reliable credential management and session handling.
- Containerized the entire application using Docker for consistent local and production environments, improving developer onboarding and deployment reliability.
- Automated CI/CD workflows using GitHub Actions to build, test, and deploy Dockerized services, enabling fast feedback loops and continuous delivery.
- Applied a clean monorepo architecture with shared utilities, strong TypeScript typing, and standardized API/service layers to improve modularity and long-term scalability.

### FinanSync – Full-Stack Financial Dashboard | Next.js, TypeScript, Clerk, PostgreSQL, Docker, GitHub Actions GitHub

- Developed a full-stack financial management dashboard featuring real-time expense analytics and transaction summaries powered by Neon PostgreSQL and TanStack Query.
- Integrated Clerk for authentication and access control, implementing secure login and protected routes for user sessions.
- Containerized backend and frontend services with Docker for portable deployment and reproducible development environments.
- Configured GitHub Actions CI/CD pipelines to automate testing, Docker image builds, and seamless deployment to cloud environments.
- Added PDF report generation, AI-based insights, and data handling pipelines for finance summaries, enhancing usability and reducing manual tracking work.

## Skills

**Programming Languages:** C++, JavaScript, TypeScript, HTML, CSS

**Frameworks & Technologies:** React, Next.js, Node.js, PostgreSQL, Express.js, RESTful APIs, Jinja2, html2canvas, WeasyPrint, Prisma, Clerk

**Tools & Platforms:** Git, GitHub, Postman, VS Code, Linux, AWS, LinkedIn API, Docker, GitHub Actions

## Education

### Odisha University of Technology and Research, Bhubaneswar

Nov. 2022 – May 2026

Bachelor of Technology in Mechanical Engineering

Overall CGPA: 6.70/10

## Achievements

- Achieved Global Rank 197 out of 15,000+ participants in LeetCode Weekly Contest 451 with highest rating of 1930, demonstrating strong algorithmic skills in algorithms and data structures.
- Solved 500+ coding problems across LeetCode, Codeforces, and CodeChef platforms, building expertise in competitive programming and software development fundamentals.
- Attained 3-star rating (1702) on CodeChef and Pupil rank (1206 rating) on Codeforces, showcasing consistent performance in coding challenges and debugging under time constraints.