

# Ankita Ojha

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## SUMMARY

Full Stack Engineer with hands-on experience in designing and building scalable web applications, enterprise platforms, and client-facing solutions. Skilled in **React, TypeScript, JavaScript, and Node.js** for frontend and backend development, with strong expertise in **CI/CD pipelines, cloud platforms (AWS)**, and database optimization using **PostgreSQL/MySQL**. Proven ability to deliver high-quality software, integrate third-party APIs, and optimize system performance. Passionate about creating seamless user experiences, improving software delivery workflows, and driving business growth through technology.

## EDUCATION

**Dr. A.P.J. Abdul Kalam Technical University (AKTU)**  
*Bachelor of Technology in Computer Science; CGPA: 8.17*

Uttar Pradesh, India  
Aug. 2018 – May 2022

## EXPERIENCE

### Full Stack Engineer

Nov 2022 – Present

*Corot Systems Pvt. Ltd.*

*Gorakhpur, India*

- Started as a Full Stack Intern and transitioned into a full-time role, contributing to both client-facing projects and internal platforms.
- Developed responsive websites using WordPress and vanilla JavaScript, improving user engagement by 20% and delivering 15+ client requirements within agile sprints.
- Led frontend architecture of HRMS and ERP platforms using React, Redux, and TypeScript for 5,000+ users.
- Built cross-platform modules using React Native and integrated REST APIs for smooth service communication.
- Contributed to **CI/CD pipelines** with GitHub Actions, automating deployments on AWS EC2 & S3.
- Optimized system performance, reducing API response time by 35% through PostgreSQL query tuning.
- Explored **Backstage developer portal** concepts to streamline microservices documentation & service discovery.
- Collaborated with backend engineers on micro frontend patterns, enabling scalable and modular service catalogs.
- Integrated observability tools and monitoring dashboards to improve debugging and system reliability.

### Web Developer

Jul 2022 – Oct 2022

*Champa Chaiwali*

*Gurgaon, India*

- Designed and maintained the official website to showcase products and offers.
- Implemented SEO strategies and performance optimizations to improve site visibility and traffic.
- Integrated digital payment gateways and optimized checkout flow for a smoother customer experience.
- Built admin tools for tracking daily sales, stock usage, and customer feedback.
- Collaborated with the business team to align technical solutions with operational needs.

### Teaching Assistant

Jan 2022 – Jun 2022

*Coding Ninjas*

*Remote*

- Assisted students with Data Structures, Algorithms, and Web Development concepts.
- Conducted doubt-clearing sessions, code reviews, and mentoring to strengthen problem-solving skills.
- Guided learners in implementing real-world coding projects and following industry best practices.

### Full Stack Intern

Sep 2021 – Nov 2021

*Robustresult Pvt. Ltd.*

*Remote*

- Developed an online book recommendation platform that suggested books based on user preferences.
- Built responsive UI components using HTML, CSS, JavaScript, and Bootstrap to deliver a seamless user experience.
- Designed and optimized MySQL database schemas to manage user data and book inventory.
- Implemented server-side logic in PHP to handle dynamic content rendering and user queries.
- Collaborated with senior developers to ensure performance, scalability, and security of the application.

## PROJECTS

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### **AI Tutor** | *Python, TypeScript, React, ChromaDB, SLLM, GroqAPI* | GitHub

- Developed an intelligent tutoring system for answering academic queries in real-time using **SLLM models** and **GroqAPI**.
- Implemented semantic search with **ChromaDB** for efficient context retrieval and indexing.
- Built an interactive frontend using React + TypeScript for a seamless learning experience.
- Designed modular backend services in Python to integrate LLM inference, user sessions, and database operations.

### **Vidyut HR - Employee Management Platform** | *React, PostgreSQL, AWS, Java* | Live Project

- Designed interfaces for workflows such as attendance, payroll, and performance tracking.
- Integrated secure database encryption and role-based access control.
- Reduced API response times via caching and optimized query structures.

### **MedhaPro - School Management Solution** | *React, Java, PostgreSQL, AWS* | Live Project

- Enhanced school management by creating UI modules for attendance, fee processing, and transport scheduling.
- Collaborated on backend integration for seamless data flow.
- Deployed solutions to AWS for scalability and reliability.

### **BharatFLP (Lecture Portal)** | *React, Node.js, MongoDB* | Live Project

- Developed a lecture portal for commerce students to attend online classes and track progress.
- Sponsored by Christ University's B.Com Department for academic monitoring.
- Maintains live deployment at [bharatflp.com](https://bharatflp.com).

### **Exam Manager** | *React, Material-UI*

- Freelance project for Tuturz Door, providing exam management features for instructors and students.
- Designed intuitive dashboards with result viewing, MCQs, and instructor panels.

### **React Web** | *React, Redux* | GitHub

- Developed a fully functional e-commerce website using React and Redux.
- Implemented features such as product information listing and backend API integration to manage product data.

### **Covid Lister** | *React* | GitHub

- Built a task lister application with React to display real-time Covid-19 case status.
- Implemented **fetch API** functionality to pull live data from public APIs.

## TECHNICAL SKILLS

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**Languages:** JavaScript (ES6+), TypeScript, Java, Python, SQL, HTML5, CSS3

**Frontend:** React, Redux, Next.js, Material-UI, Bootstrap

**Backend:** Node.js, Express, Java (Spring Boot), Flask, FastAPI

**Automation & Workflow:** n8n

**Platforms:** Docker, Kubernetes, AWS (EC2, S3), GCP

**CI/CD & DevOps:** GitHub Actions, GitLab CI, Jenkins

**Database:** PostgreSQL, MongoDB, VectorDB

**Security:** JWT, OAuth, RBAC

**Other:** Microservices, API Development (REST, GraphQL), Agile/Scrum