

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

Corot Systems Pvt. Ltd.

Nov 2022 – Present

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

Champa Chaiwali

Jul 2022 – Oct 2022

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

Coding Ninjas

Jan 2022 – Jun 2022

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

Robustresult Pvt. Ltd.

Sep 2021 – Nov 2021

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.

Founder & Technical Lead

Flowdle

Sep 2020 – Aug 2021

Remote

- Designed and developed the business website to manage online presence, menu updates, and customer engagement.
- Implemented basic SEO strategies to improve visibility and drive local traffic.
- Set up digital payment integration (UPI, QR, POS billing system) to streamline transactions.
- Built a lightweight inventory tracking solution to reduce manual errors and optimize supply usage.
- Managed social media campaigns and analytics to grow brand awareness.

PROJECTS

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.

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

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