Pratham Arora

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PROFESSIONAL SUMMARY

Software Developer with hands-on experience building scalable full-stack applications using React, Node.js, and MongoDB, and deploying containerized services with Docker and AWS. Strong foundation in backend development, REST APIs, authentication systems, and CI/CD workflows. B.Tech CSE student (CGPA 9.1) focused on writing efficient, production-ready code.

TECHNICAL SKILLS

Programming: Java, C++, JavaScript, Python
Frontend: HTML, CSS, React.js, Tailwind CSS
Backend: Node.js, Express, REST APIs, JWT Authentication
Cloud & DevOps: AWS, Docker, Kubernetes, Linux, CI/CD (GitHub Actions , Jenkins)
Databases: MongoDB, MySQL, Firebase
Tools & Platforms: Git, GitHub

PROJECTS

Secure API Gateway

C++, Node.js, MongoDB, JWT, PostgreSQL , Linux
- Improved request throughput and reduced response latency by optimizing MongoDB connection pooling and query handling.
- Deployed and maintained services on a Linux-based server with process monitoring and centralized logging for reliability.

Blogify Platform

React.js, Node.js, Express, MongoDB, JWT
- Developed a full-stack blogging platform with JWT-based authentication and role-based access control for admins and authors.
- Implemented RESTful APIs enabling CRUD operations for posts, users, and comments.

Smart Transit Portal

React.js, Tailwind CSS, Firebase
- Developed a transportation management web application featuring real-time route updates and booking functionality using advanced React concepts such as lazy loading and performance optimization.
- Integrated Firebase for user authentication and real-time data synchronization.

AI-Powered Chatbot

React.js, Node.js, Tailwind CSS, OpenAI APIs
- Designed and developed an AI-powered conversational chatbot leveraging OpenAI APIs to provide real-time, context-aware responses to user queries.
- Built a responsive and intuitive user interface using React.js and Tailwind CSS to enhance usability and user engagement.

EDUCATION

Chitkara University	Chandigarh, India
B.Tech in Computer Science Engineering (CGPA: 9.1/10)	*2021 – 2025*
Dayanand Model Sr. Sec. School	Punjab, India
Senior Secondary (CBSE) (74%)	*2020 – 2021*
Dayanand Model Sr. Sec. School	Punjab, India
Secondary (CBSE) (85%)	*2018 – 2019*

ACHIEVEMENTS

First Place Winner – Hackathon (Video Conferencing Project).

Google Analytics Certification – Google Analytics Academy.