Pranav Chaturvedi

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SUMMARY

Full-Stack & Backend Developer skilled in Node.js, TypeScript, React, REST APIs, microservices, and AWS. Experienced in building scalable, secure, production-grade systems and real-time applications.

TECHNICAL SKILLS

Programming Languages: C, Java, Python, JavaScript, TypeScript, Bash, PL/SQL
Frontend: React.js, Next.js, HTML5, CSS3, Tailwind, Bootstrap, Three.js
Backend and Server-Side Development: Node.js, Express.js, REST APIs, Microservices, WebSockets, Webhooks, Redis, JWT, OAuth2, Load Balancing, Server-Side Architecture
Database: MongoDB, MySQL, Oracle, Firebase
Tools: Git, GitHub, Docker, Postman
Cloud: AWS (EC2, S3), Docker, CI/CD, Nginx, PM2, Cloud Deployment, Monitoring & Logging, Oracle Apex
Libraries: Axios, ShadCN, Material UI, Tailwind CSS, Bootstrap, Zustand, Redux, Lodash
Core Subjects: DSA, OOPs, OS, DBMS, Computer Networks, Cybersecurity

WORK EXPERIENCE

Accenture   *Gurugram*
Software Engineer   *OCT 2024 - April 2025*

- Built a **real-time chatbot** with automated URL-shortening, improving message readability and cutting average message length by 35%.
- Engineered WebSocket-based message interception, delivering sub-**100ms** URL-shortening latency and **99.9%** uptime during peak usage.
- **Architected and deployed** a fault-tolerant delivery pipeline with acknowledgements and retries, achieving **98%+** successful delivery under intermittent networks.
- **Designed and streamlined** REST APIs and backend modules supporting real-time WebSocket communication.
- **Deployed** services on AWS (EC2) and applied server-side monitoring to maintain high availability.

Unicraft Tech   *Gurugram*
Fullstack Developer   *NOV 2023 - OCT 2024*

- Developed a collaborative **real-time code editor** (TS, Node.js, MongoDB, WebSockets) serving **1,500+ users** with **150ms sync latency**; integrated RBAC + version control for teams.
- Developed a scalable **resume parsing microservice using Node.js, Python, Express, and SpaCy NLP**—processed **10,000+ resumes with 95.6% field-level accuracy** for skills, education, and work history; deployed via Docker, enabled asynchronous file handling, and reduced resume-to-result latency by 42% through stream-based parsing and using improved pre-trained model.
- **Containerized services** using Docker and enabled AWS-based cloud deployment for seamless scaling.

PROJECTS

AutoApply - GitHub
Tech Stack: ExpressJs, NodeJs, Mongodb, Docker   *AUG 2025*

- **Constructed** an optimised backend in TypeScript and Express.js to scrape and aggregate job listings from Naukri, LinkedIn, and Glassdoor using dynamic skill-based queries.
- Integrated MongoDB for storage and Redis CLI for caching, **reducing API response times by up to 60%** and boosting throughput under high load.
- **Automated** cron-based job scheduling and intelligent retry mechanisms, maintaining **99%+** data freshness across all platforms.
- **Formulated** scalable REST API architecture with efficient routing, caching, and server-side processing.

Devender - GitHub
Tech Stack: Node.js, MongoDB, Express.js, React, JWT, Docker   *Jun 2024*

- **Created** a scalable MERN stack web application for developer networking—supported **5,000+ concurrent users** with 99.9% uptime via a microservices-based backend.
- **Devised** a secure authentication system with JWT, cookies, and bcrypt.js; implemented RBAC and middleware to reduce unauthorised access attempts by **95%+**.

- **Enhanced** backend efficiency using advanced MongoDB queries, compound indexing, and enhanced pagination—achieved **50% faster** load times and **40% more accurate** match suggestions.
- **Enforced** microservices-based backend with secure API design and optimized database performance.

V-Chat - [GitHub](#)

Tech Stack: React, tailwindcss, JavaScript, ExpressJs, Nodejs, Mongodb   *April 2024*

- **Created** a real-time chat application with React.js frontend, Node.js + Express.js backend, and MongoDB—supporting **1,000+ concurrent users**.
- Integrated WebSocket for instant message delivery and typing indicators with sub-**200ms** latency, ensuring seamless real-time communication.
- **Introduced** features like message history retrieval, online presence tracking, and room-based conversations, increasing engagement by **30%** and retention by **25%**.
- **Constructed** refined WebSocket server + REST APIs handling thousands of concurrent connections.

EDUCATION

NIET   *Greater Noida*

Bachelor of Technology - Computer Science   *OCT 2020 - MAY 2024*

ACHIEVEMENTS AND CERTIFICATIONS

- Finalist Smart India Hackathon.   [Link](#)
- 4+ Hackathons Winner.
- Solved **300+ DSA Questions** on platforms like [LeetCode,](#) [GfG](#), and [Codechef](#).
- IBM **Cybersecurity Analyst** certification at [Coursera](#).
- Achieved **Certified Ethical Hacker** certification at [Ec-council](#).
- Achieved **NodeJs ReactJs** certification at [Coursera](#).
- Achieved **Reactjs** certification at [Infosys](#).
- Achieved **NodeJs ReactJs** certification at [Coursera](#).
- Achieved **7.0** band in IELTS General Test [IELTS](#).