Aman Sharma

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Experience

Accenture   Sept 2023 – Present
Associate Software Engineer   *Gurugram, Haryana*
- Delivered high-quality sub-menu components improving user navigation and functionality. Developed a reusable component library, reducing development time for new projects by **40%**.
- Led a cross-functional team in implementing a new feature using React and Redux, resulting in a **20% increase in user engagement** within the first month.
- Implemented microservices architecture using Node.js and Express, **improving API response time by 25%** and **reducing server load by 30%**.

Coding Ninjas   July 2022 – Sept 2023
Teaching Assistant Intern   *Remote*
- Mentored over **1000 students in C++ and Data Structures**, fostering strong programming and algorithmic skills.
- Conducted doubt-clearing sessions, resolving **2000+ queries with an average satisfaction rating of 4.9.**
- Led debugging sessions and provided assignment guidance, resulting in a **30% improvement in student performance** and a **40% reduction in submission errors**.

Projects

Smart Study Companion: AI-Driven Study Material Creation and Organization
- Developed using **Next.js** for server-side rendering, **Drizzle ORM** for database operations, **Neon** for scalable hosting, and **Inngest**for asynchronous task orchestration.
- Integrated **Clerk for secure user authentication** and designed an intuitive interface supporting dynamic course management, progress tracking, and seamless study workflows.
- Leveraged **Gemini AI to generate real-time**, chapter-specific study materials, tailored to course needs for comprehensive and personalized content delivery.

Real Time Collaborative Code Editor
- Developed a web-based code editor using React.js, Node.js, Monaco Editor, and react-toast, enabling **real-time collaborative** coding sessions.
- Implemented **real-time synchronization** of code changes across multiple users using **WebSocket** technology, ensuring seamless collaboration with minimal latency.
- Integrated **user authentication**, **session management**, and **custom error handling** to secure collaborative environments and enhance usability.

Crypto-Search
- Designed and created a **React-based web application** integrated with **Material-UI** to display real-time cryptocurrency prices.
- Utilized the **CoinGecko API** to ensure accurate cryptocurrency pricing, providing users with reliable data.

Technical Skills

Languages: JavaScript, C++, Java, SQL
Technologies: React.js, Spring Boot, Express.js, jQuery, Bootstrap, Node.js, MongoDB
Tools: VSCode, Git, GitHub
Concepts: Data Structure and Algorithms, Object-Oriented Programming, DBMS, Operating System

Education

Bharati Vidyapeeth's College of Engineering   Aug 2019 - Aug 2023
Bachelor of Technology in Electronics and Communication Engineering (GPA: 8.47 / 10)   *Delhi, India*

Achievements

- Mentored over **1K+ students** in learning Data Structures and Algorithms .
- Solved around **500+** dsa questions on many coding platforms.
- Achieved **1st place** both Tug-of-War and as a key player on the football team during an intra-college sports fest, demonstrating teamwork, leadership, and physical endurance