MANSHA

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EDUCATION

Indian Institute of Information Technology, Guwahati
B.Tech, Computer Science & Engineering (2022 – 2026) | CGPA: 7.50 (Till 6th Semester)
KhelGaon Public School, Prayagraj
Class XII : 93.2% | Class X : 95.17%

EXPERIENCE

IIIT Bangalore (CTRI-DG), *Summer Intern*   *May 2025 - July 2025*
- Collaborated with an agile team of 5 to work on a low-code web application platform and delivered a full-stack Admission Portal, ensuiring scalability and production-readiness.
- Integrated authentication and role-based access control using Keycloak with Dockerized microservices, ensuring secure and maintainable user management.
- Implemented scalable RESTful APIs for backend and added responsiveness to 6–7 frontend pages, ensuring cross-device compatibility.
- Created custom decorator classes to extend core backend functionality with reusable logic for secure image upload and input validation.
- **Technologies:** React, Bootstrap, Node.js, Prisma, MySQL, MongoDB, Docker, Keycloak.

Bluestock Fintech, *SDE Intern*   *February 2025 - March 2025*
- Led a team to refine frontend system architecture for Upcoming IPO page using React.js and Redux, optimizing component load cycles and enhancing responsiveness.
- Reduced application latency by 40% through performance profiling and codebase optimization, improving overall user experience and frontend reliability in a production-grade fintech environment.

SKILLS

- **Programming:** C++, C, JavaScript, TypeScript, SQL.
- **Databases & DevOps:** Docker, MongoDB, MySQL, Git, GitHub, Prisma.
- **Frameworks & Tools:** React.js, Node.js, Next.js, Express.js, Redux, Tailwind CSS, Bootstrap, RESTful APIs.
- **Core CS:** Data Structures & Algorithms, Object-Oriented Programming, Operating Systems, SDLC, Computer Networks, Database Management System, Complexity Analysis .

PROJECTS

Personalized Education Platform ⧉ | Next.js, TypeScript, Inngest, Gemini, Clerk, Tailwind CSS
- Developed an AI-powered adaptive learning platform with personalized study plan generation, intelligent resource curation and PDF chatbot for document analysis, improving content accessibility.
- Secured user experience through Clerk-based authentication and optimized serverless workflows using Inngest for real-time event-driven automation.
- Enhanced student productivity through integrated focus timers, notes organizer and dashboards for data-driven insights, enabling 100% dynamic rendering.

Smart Bot ⧉ | Node.js, React.js, Express.js, MongoDB
- Engineered a multi-functional bot with 5 AI-powered features including text summarization, paragraph generation, chatbot, JS code converter, and sci-fi image generator , delivering a dynamic user experience.
- Implemented a fully responsive, theme-adaptive interface with dark/light mode, JWT-based user auth, and lazy-loaded components, leading to a reduction in page load time and smooth cross-device experience.
- Minimized API response time by 30% via asynchronous backend handling, validated through prototype testing.

ACHIEVEMENTS & CERTIFICATIONS

- Selected for Codeforces Graphs Camp and Accelerator Programming Camp (Top 1.4%).
- Certificates : The Web Developer Bootcamp by Udemy ⧉ , Responsive Web Design by freeCodeCamp ⧉.
- Solved 600+ DSA questions on coding platforms, strengthening problem-solving & coding skills.