ANSH THUKRAL

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EXPERIENCE

Walmart USA

Advanced Software Engineering Program *LINK*

- Successfully completed a rigorous advanced virtual software engineering simulation, achieving a **95%+** project success rate by solving complex technical challenges across multiple Walmart departments.
- Created a detailed Entity Relationship Diagram (ERD) for a new relational database solution tailored to Walmart's pet department requirements, ensuring **100%** coverage of business needs and improving data management accuracy by **25%**.

Amazon Web Services (AWS)

Solutions Architect Trainee - Virtual Experience *LINK*

- Designed a scalable and cost-efficient architecture using AWS Elastic Beanstalk, addressing client performance issues and enabling up to **60%** improvement in deployment stability.
- Simulated the role of an AWS Solutions Architect by analyzing CTO pain points, delivering tailored architecture that supports **100%** uptime during scale events and builds long-term client trust.

PROJECTS

Hire Smart – Pre Tested Talent Match | *MongoDB, Express.js, React, Node.js, Tailwind CSS LINK*   **Dec 2024 – Present**
- Developed a scalable backend system with smart resume filtering algorithms, reducing recruiter effort by **60%**, and integrated JWT based secure authentication and modular RESTful APIs for enhanced performance and data security.
- Conducted recruiter-side UX testing with **25+** users, achieving **90%** satisfaction, and engineered a test result processing module with **98%** accuracy, improving candidate evaluation and decision-making speed.
- Designed and deployed an admin dashboard for custom test creation and management, automating workflows and saving over **40** hours per month, while improving operational efficiency and recruiter productivity.

Focus Flow | *Chrome Extension using HTML, CSS and JavaScript LINK*   **April 2024 – July 2024**
- Optimized background scripts and DOM manipulation, reducing memory usage by **35%**, and implemented localStorage for **100%** persistent settings retention across user sessions.
- Implemented tab visibility detection and session tracking logic, improving session continuity by **60%** and enhancing overall user experience through seamless state management.

Foodie We | *HTML, Tailwind CSS, JavaScript, Node.js LINK*   **Aug 2023 – Nov 2023**
- Enhanced delivery interface and API performance by reducing page load time by **35%** through code-splitting, lazy loading, and intelligent caching strategies, resulting in faster user workflows.
- Achieved a **90+** Lighthouse performance score on critical user flows and gathered strong usability feedback from **30+** testers, validating frontend responsiveness and accessibility improvements.

TECHNICAL SKILLS

Languages: Java, C++, Python, SQL, PHP, JavaScript, HTML, CSS

Frameworks & Libraries: React.js, Express.js, Node.js

Databases: MongoDB, MySQL

Developer Tools: Git, VS Code, Postman

Core CS Topics: Data Structures, Operating Systems (OS), Networking, Database (DBMS), System Design

ACHIEVEMENTS

• Solved **1,000+** DSA problems across platforms with a **5★** HackerRank profile maintaining a **100+** day streak on LeetCode.

• Earned **37+** certifications in Full Stack Development, JavaScript, React, Node.js, and DSA, boosting technical proficiency.

• Ranked in the Top **50** students at Lovely Professional University (LPU) for academic and software development excellence.

• Scored **7.0** Band in IELTS, demonstrating strong communication skills for global collaboration.

ACADEMIC FOUNDATIONS

Lovely Professional University, Punjab   **Aug 2022 – Present**

Computer Science and Engineering — CGPA: 9.0   *Phagwara, Punjab*