

# ANSH THUKRAL

Ludhiana, Punjab - 141001

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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**

Computer Science and Engineering — CGPA: 9.0

**Aug 2022 – Present**

Phagwara, Punjab