# ANSH THUKRAL

📞 +91 9041610025   ✉ anshthukral2504@gmail.com   🌐 ansh-thukral.vercel.app

linkedin.com/in/ansh-thukral   AnshThukral (ANSH THUKRAL)

## Education

**Lovely Professional University, Jalandhar**                    August 2022 − July 2026
*B.Tech in Computer Science and Engineering*                              *CGPA: 9.0/10*

## Experience

**Walmart USA LINK**

*Advanced Software Engineering Program*
- 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) LINK**

*Solutions Architect Trainee - Virtual Experience*
- 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.
- Leveraged services such as EC2, S3, RDS, Route 53, Load Balancer, and CodePipeline to ensure high availability and zero-downtime deployments.

## Projects

**Hire Smart - Full Stack Job Portal** / *MongoDB, Express.js, React, Node.js, Tailwind CSS*
- 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** / *HTML, CSS, JavaScript*
- 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 − Food Delivery Platform** / *JavaScript, HTML, CSS, Node.js*
- 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.
- Engineered a modular MVC architecture with real-time cart synchronization and robust order/cart management, achieving **95%** uptime and successfully processing **200+** test orders during QA.
- 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 and industry readiness.
- 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.