

Ansh Thukral

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ACADEMIC FOUNDATIONS

Lovely Professional University

Aug 2022 - Present

Bachelor of Technology, Computer Science and Engineering (CGPA: 9.0)

- **Achievements:** Ranked among the **Top 50 students** at Lovely Professional University (LPU) based on academic and extracurricular excellence.

INDUSTRY EXPOSURE

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.
- Leveraged services such as EC2, S3, RDS, Route 53, Load Balancer, and CodePipeline to ensure high availability and zero-downtime deployments.

SELECTED TECH CREATIONS

Pre-Tested Talent Match | Hire Smart [LINK](#)

Tech: MongoDB, Express.js, React, Node.js, Tailwind CSS

Nov 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.

Chrome Extension | FocusFlow [LINK](#)

Tech: JavaScript, Chrome Extensions API, HTML, CSS

Apr 2024 - Jul 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.

Food Delivery Platform | Foodie We [LINK](#)

Tech: HTML, Tailwind CSS, JavaScript, Node.js

Aug 2023 - Nov 2023

- Optimized delivery interface and API response time, reducing page load by **35%** through code-splitting, lazy loading, and caching strategies, accelerating 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.

SIGNATURE 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

HALL OF DISTINCTION

- 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.
- Achieved a **7.0 band score** in IELTS, reflecting strong communication skills for global professional collaboration.