Yashika Lalwani

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EDUCATION

Chhattisgarh Swami Vivekanand Technical University, *Bhilai, India* — Graduated in July 2023
B.Tech , Computer Science Engineering — Percentage: **89.2/100**

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, SQL, C/C++
Frontend: React, Next.js, Redux, Material-UI, Tailwind, Chart.js
Backend: Node.js, Express, FastAPI, REST APIs, WebSockets
Databases: MongoDB, PostgreSQL, MySQL, ClickHouse
Cloud/DevOps: AWS, Docker, GitHub Actions
Testing: Jest, RTL, Cypress, Mocha, PlayWright
Core: Full-Stack Development, API Design, Performance Optimization, Agile

WORK EXPERIENCE

Associate Developer — *ABBYY (Bengaluru, India)*   December '24 - December '25

- Improved complex filter and query performance by **60–75%** across large datasets, resulting in faster UI interactions.
- Refactored several React components and reduced unnecessary re-renders by **40–60%** using memoization and optimized state flow.
- Contributed to migration of analytics workloads to **ClickHouse**, achieving **3–5× faster** query execution for reporting dashboards.
- Built reusable UI components, improving frontend consistency and reducing development effort for new features by **30%.**
- Added multiple unit and integration tests using Jest and RTL, increasing UI stability and reducing regression issues.
- Delivered multiple product enhancements by collaborating with backend, QA, and DevOps teams under Agile sprints.

Associate Software Engineer — *CrowdStrike*   August '23 - December '24

- Independently owned the complete frontend of a client project, improving delivery speed and development efficiency by **35%.**
- Worked on a major Indian bank platform, implementing secure UI flows and optimizing API interactions for smoother customer journeys.
- Built full-stack features using React, Node.js, TypeScript, and MongoDB, improving application stability and maintainability.
- Developed and optimized REST APIs, improving backend response times by **25–30%** with efficient logic and database queries.
- Created a reusable component library with multiple shared components, boosting UI consistency and reducing duplication by **30–40%.**
- Collaborated with backend, QA, and design teams to deliver features on schedule, maintaining a **90%** sprint completion rate.

KEY PROJECTS

Travel AI — (link)   *October'25*

- AI-based travel planner built with React and LLMs for generating itineraries and recommendations.
- Added smooth chat-like UX with optimized prompts and lightweight API usage.
- Designed responsive UI with reusable components and fast state handling.

QueryCraft — (link)   *November '25*

- Drag-and-drop SQL builder that converts visual blocks into valid SQL queries.
- Includes live query preview and schema-aware hints for easier SQL learning.
- Built modular, intuitive UI with clean drag/drop interactions.