

# Mohammad Anas

New Delhi, India

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## PROFESSIONAL SUMMARY

Computer Science undergraduate graduating in 2026 from Jamia Hamdard with hands-on experience building production-ready full-stack applications using React.js, Node.js, Express.js, and PostgreSQL. Proficient in RESTful API development, Authentication Authorization, MVC Architecture, Docker, CI/CD, Deployment, Agile development, and modern frontend technologies. Passionate about building scalable, secure web applications and solving real-world engineering problems.

## PROJECTS

- SQL Editor (SQLStudio)** | *React, TypeScript, Fastify, Node.js, SQLite, Prisma, Tailwind CSS* June 2026  
[GitHub](#)
- Architected a browser-based SQL IDE using React.js and TypeScript, featuring an advanced code editor with Monaco Editor integration featuring intelligent autocomplete, syntax highlighting, and interactive schema exploration.
  - Engineered a Fastify-based backend with robust error handling, async programming, middleware, and secure API development, for secure SQL query execution with saved query collections, execution history, and efficient API performance.
  - Designed a modular, component-driven frontend with Tailwind CSS, optimized for performance and cross-browser compatibility, following clean coding principles and reusable component architecture.
- Task Flow** | *React.js, Node.js, Express.js, PostgreSQL, Prisma, Tailwind CSS* May 2026  
[GitHub](#) | [Live](#)
- Built a full-stack collaboration and project management platform supporting (CRUD) operations, real-time workflow tracking, and an analytics dashboard. visualizing task statistics and project progress.
  - Secured REST APIs using JWT authentication, authorization, httpOnly cookies, session management, and (RBAC), (Admin/Member), following enterprise-grade security patterns.
  - Delivered a responsive, mobile-first UI using React.js and Tailwind CSS, ensuring cross-device compatibility and strong Core Web Vitals performance.
- Content Broadcasting System** | *Node.js, Express.js, PostgreSQL, Prisma, Redis, Docker* April 2026  
[GitHub](#) | [Live](#)
- Designed and deployed a production-ready backend platform for secure content broadcasting, scheduling, and multi-role approval workflows in educational environments, deployed via Docker using Render.
  - Engineered a dynamic scheduler service using cycle-based algorithms and optimized PostgreSQL queries using Prisma ORM, enabling reliable time-based content delivery at scale.
  - Implemented Redis caching to reduce database load and improve API response times, significantly improving API performance and reducing database load.

## TECHNICAL SKILLS

**Languages:** JavaScript (ES6+), TypeScript, Java, SQL, Python  
**Frontend:** React.js, HTML5, CSS3, Tailwind CSS, React Context API, Vite, Responsive Design, API Integration  
**Backend:** Node.js, Express.js, Fastify, RESTful APIs, JWT Authentication, Middleware, MVC Architecture, Async Programming, Error Handling, GraphQL (Basics)  
**State Management:** Component State, Custom Hooks  
**Databases & Caching:** PostgreSQL, MongoDB, Prisma ORM, Redis, SQLite  
**DevOps & Tools:** Docker, Git, GitHub, Git Workflow, CI/CD, Postman, API Testing, Linux, VS Code, Deployment  
**CS Fundamentals:** Data Structures & Algorithms, OOP, DBMS, Operating Systems, Computer Networks

## CERTIFICATIONS & VIRTUAL EXPERIENCE

**Deloitte Australia Technology Job Simulation (Forge)** June 2026  
**Udemy** — The Complete Web Development Bootcamp  
**takeUforward** — Data Structures & Algorithms  
**HackerRank** — SQL Basics

## EDUCATION

**Jamia Hamdard, New Delhi** May 2026  
*B.Tech in Computer Science Engineering — CGPA: 7.0*