Altamash Ahmad

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Github

| EDUCATION |
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| YEAR | QUALIFICATION | INSTITUTION | CGPA/PERCENTAGE |
|---------|------------------------|----------------------|-----------------|
| 2020-24 | Bachelor of Technology | Jamia Millia Islamia | 8.71/10.0 |

TECHNICAL SKILLS

| Programming/ Scripting Languages | Java C++ JavaScript SQL Node.js Express.js |
|----------------------------------|---|
| Software/ Packages used | MySQL AWS VS Code Postman Git GitHub Redis |
| System Design | Low-Level Design (LLD) Object-Oriented Design (OOD) Design Patterns |

EXPERIENCE

Full Stack Software Developer at Ekai

Sep'24-Present

- Developed Ekai, a custom LLM Slack bot using OpenAl API, enabling ChatGPT-like interactions with added training features
- Built both the backend and UI for Ekai Slack bot using Node.js, Express.js, and Slack Bolt SDK, ensuring smooth interaction
- Created a privacy control system, letting users choose whether their training data is private or shared within a group
- Converted AI-generated responses into a Slack-friendly format, improving readability and user experience
- Designed a custom Slack home interface with Block Kit Builder, improving user experience and navigation for Ekai features
- Integrated Google Picker API to enable multi-file selection from Google Drive, streamlining document processing

Software Developer Intern at Kalvium

June'24 - Sep'24

- Developed **LiveBook**, an interactive learning platform integrating theory, videos, and assessments for students
- Built RESTful APIs for content retrieval, quiz submissions, and video management, ensuring smooth data flow
- Integrated YouTube API to enable direct video access within the platform, improving user engagement
- Optimized platform performance using Chrome DevTools and testing tools, reducing load times and improving reliability

PROJECTS

Rate Limiter for API Services | Self Project, Backend Development

May'24 - Jul'24

- Developed a scalable **RESTful API using Node.js and Express.js** to process social media data and provide analytics
- Designed a high-speed data storage system with **Redis** to efficiently store user submissions, hashtags, and sentiment
- Implemented Redis-based rate limiting (free/premium/standard) to prevent API abuse and ensure stability
- Built a real-time analytics engine using background tasks to extract trending hashtags and perform sentiment scoring
- Developed an error-handling system with Winston logging, reducing debugging time by 30% and improving API reliability
- Applied Low-Level Design (LLD) principles to ensure a modular, scalable, and high-performance system architecture

E-commerce web application for our business Shine Traders | Self Project, Full-Stack Development

Feb'24 - Apr'24

- Developed a full-stack e-commerce web application using JavaScript, HTML, and CSS, inspired by Amazon's architecture
- Implemented a dynamic product listing page with RESTful API integration, enabling smooth product retrieval and display
- Built an interactive shopping cart using local storage, allowing users to save and manage items seamlessly
- Designed a streamlined checkout process with order summaries, estimated delivery costs, and payment validation
- Optimized frontend performance by reducing render-blocking resources, improving page load speed

Sorting Visualizer | Self Project (Algorithm Visualization)

May'24 - Jul'24

- Built a React-based sorting visualizer for **Bubble**, **Selection**, **Insertion**, **Merge**, **and Quick Sort** with step-by-step execution
- Used **React state management (useState, useEffect)** to update sorting animations dynamically for real-time responsiveness
- Designed customizable UI using React hooks, allowing users to adjust sorting speed, array size, and algorithm selection
- Integrated real-time **complexity analysis** (O(n), O(n log n), etc.) to enhance user understanding of algorithm efficiency

ACHIEVEMENTS

- Secured 96.8 percentile in 2019 Joint Entrance Exam (JEE Mains) ranking among the top candidates out of 1.5M candidates
- Skilled coder, excelled on LeetCode and Codeforces online coding platforms, consistently achieving high scores
- Resolved over 900 student queries on Chegg platform, specializing in topics like programming and data communication
- Produced engaging gaming content on the Zod Gaming YouTube channel, gaining 1500 subscribers and 500K views

RELEVANT COURSES

Introduction to Programming Full-Stack Development

System Design OOPS

Data Structures & Algorithms Communication Skills

LOW-LEVEL DESIGN DBMS