# MOHD JAMI

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## Education

**ABES Engineering College**                                    **2022 - Present**
*B. Tech in Computer Science and Engineering*                   *Ghaziabad, India*

**Indian Institute of Technology Madras (IIT-M)**               **2022 - Present**
*B. Sc in Data Science and Programming*                         *Chennai, India*

## Open Source Contribution

**Rocket Chat**                                                 **April 2023**

- Developed a custom method for creating UI components, resulting in increased efficiency and productivity.
- Designed and implemented an API architecture that is easily extensible and adaptable to changing business.
- Successfully updated the codebase to integrate new UI components and improve the user experience.
- Proactively identified and resolved linting errors, improving the codebase's overall quality and maintainability requirements.

## Projects

**URL Shortener** — Github — Live

- Successfully designed and implemented a scalable URL shortener application using Next.js and TypeScript.
- Integrated NextAuth.js for versatile authentication with Google, Github and Email providers.
- Incorporated features like forgot password and email verification for enhanced user account management.
- Created a scalable URL shortener using Prisma, Supabase for storage, Redis for caching, and Kafka for asynchronous email processing for performance optimization and user responsiveness.
- Created a dashboard for effective URL management, enabling tasks like URL creation, slug editing, and deletion.
- Integrated analytics for insights into URL usage, and rate limiting and request throttling using Redis for enhanced performance.

**Scalable WebSocket Chat App** — Github

- Designed and implemented a microservices architecture using Turbo Repo, enhancing modular development, testing, and deployment capabilities for the WebSocket Chat App.
- Real-time bidirectional communication with WebSockets, Redis through Aiven for scalable and low-latency messaging.
- Mitigated potential PostgreSQL performance issues by implementing a Kafka Pub/Sub architecture, harnessing high throughput capabilities for seamless message integration during rapid user growth.
- Utilized Next.js for frontend and Node.js for backend, ensuring rapid development, code reusability, and optimal performance in managing concurrent connections.

**Jenkins CI/CD Integration for a Simple Todo App with GitHub Integration** — Github

- Developed a Todo application using Node.js and the EJS.
- Utilized Docker to containerize the Todo app, enabling easy deployment and scalability.
- Implemented Continuous Integration and Continuous Deployment (CI/CD) using Jenkins for the Todo app.
- Integrated the project with GitHub for version control and collaboration, allowing for efficient code management and collaboration with the development team.

## Skills

- Profile Links: GitHub, CodeChef, Leetcode
- Languages: Python, Golang, TypeScript, Java, JavaScript, Kotlin, C/C++, PHP
- Frameworks: NextJS, React, Flask, Django, ArgoCD, Laravel
- Tools and Technologies: Nodejs, Express, Mongdb, MySQL, PostgreSQL, GraphQL, NGINX, Prisma, Apache Iceberg, Git, Docker, Kubernetes, Apache Atlas, Kafka, Redis, Aiven, Drizzle, Azure, AWS