

# INSHAMUL HAQUE

+91-9315422959    haqueinsham@gmail.com    linkedin.com/in/inshamul-haque    github.com/Inshamhaque

## Education

### Aligarh Muslim University

B.Tech in Computer Engineering (CPI: 9.1)

Aligarh, UP, IND

Sept. 2022 – Present

## Relevant Coursework

- Operating Systems
- Database Management System
- Algorithms Data Structures
- Computer Networks
- Digital Logic System Design
- Bash Scripting

## Experience

### Software Developer Intern

Nov 2024 – Jan 2025

Purpose Buddy

Remote

- Contributed to development of an automation tool **Auto Appy** to optimize workflows.
- Researched and documented APIs for seamless integration.
- Contributed to production feature deployment, enhancing system stability.

## Projects

### ByteOS - Minimal Operating System | Assembly (x86), C/C++, Make, QEMU

Present

- Developing a minimal Operating System from scratch with a custom bootloader using x86 Assembly and C.
- Implements basic process management, memory segmentation, and disk scheduling algorithms.
- Designing a CLI-based interactive system with personalized task suggestions and pattern recognition.

### Uber Clone | Typescript, React, MongoDB, Redis, Node.js, Express, WebSockets

Dec 2024

- Built ride-hailing features like ride requests, driver assignment, and payments.
- Optimized MongoDB queries for fast data retrieval.
- Implementing route Matching feature

### Decentralized Data Labeling Platform | Typescript, React, Solana, Web3.js, AWS S3, Node.js, Express, MongoDB

Feb 2025

- Developed a Web3-based crowdsourcing platform for data labeling with crypto payments.
- Integrated Solana blockchain for secure and verifiable transactions.
- Implemented AWS S3 for secure file storage with pre-signed URLs.
- Built frontend components to facilitate seamless user experience for task creation and payments.

### Bloggify - Blogging Platform | Typescript, React, Node.js, Express, Postgres, Tailwind CSS

Dec 2024

- Developed a full stack Blogging platform.
- Integrated versatile text editor with multiple format options.
- Planning to add NLP based topic tagging feature

## Technical Skills

### Languages:

C/C++, JavaScript, TypeScript, SQL, Bash, Assembly (x86/x85)

### Technologies:

Linux, Docker, Node.js, React, Next.js, Tailwind CSS, Redis, PostgreSQL, MongoDB, AWS, Prometheus, Grafana, Kubernetes

### Tools:

Git, Docker, Postman, Prisma, QEMU, Makefile

## LeetCode Profile

Profile: leetcode.com/haqueinsham