

# MOHAMMED MUDASSIR

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## EDUCATION

### Arizona State University

Master Of Science in Information Technology – (GPA:4.0)

Tempe, AZ

Jan. 2024 – Dec. 2025

### Osmania University

Bachelor of Engineering in Computer Science – (GPA:3.7)

Hyderabad, India

Aug. 2018 - July 2022

## TECHNICAL SKILLS

**Languages:** Python, C, Java, JavaScript, TypeScript, SQL

**Frameworks and Technologies:** React.js, Node.js, HTML, CSS, Next.js, Flask, Tailwind CSS, Express.js, MongoDB, MySQL, PostgreSQL, Redis, AWS(EC2, RDS, S3, DynamoDB, Lambda)

**Core Concepts:** Distributed Systems, CORS, REST APIs, Data Structures and Algorithms, SDLC, OOPS

**AI and LLMs:** Generative AI, RAG, LangChain, Code LLaMA, OpenAI APIs, Hugging Face Transformers

**Developer Tools:** VS Code, GitHub, Docker, Kafka, RabbitMQ, Vite, Postman, Kubernetes

## EXPERIENCE

### Database Developer

Apr. 2025 – Present

L'Space by Nasa, Arizona State University

Tempe, AZ

- Led a team of 3 to develop robust Python scripts for migrating 7+ years of fragmented legacy data from Excel into centralized HeidiSQL database, establishing a unified source for 100,000+ records.
- Engineered a fully normalized Snowflake schema and biweekly automated data pipelines, reducing manual workload by 80% while enhancing data freshness.
- Designed and implemented a field-level validation framework with 95% discrepancy detection accuracy, ensuring end-to-end data integrity and reliability.

### Open-Source Contributor- Frontend Developer

Feb. 2024 – Present

Bluewave Labs

Remote

- Built and refined 20+ reusable React + TypeScript components, debugging UI issues with Chrome DevTools and React DevTools, reducing defects by 30% and improving rendering speed for a smoother cross-device user experience.

### Machine Learning Intern

Sep. 2021 – Dec.2021

Indian Servers

Hyderabad, India

- Worked on building and optimizing predictive models, preprocessing large datasets, and implementing ML pipelines for glaucoma detection analysis
- Evaluated and fine-tuned machine learning algorithms to improve glaucoma detection accuracy, generating actionable insights from medical imaging data.

## PROJECTS

### FamBond-A Private Networking Platform

(Github)

| React.js, JavaScript, Redux toolkit, Node.js, MongoDB, AWS

- Built a full-stack platform supporting 100+ concurrent users with secure real-time interactions, and AWS powered media storage.
- Designed a modular backend with REST APIs and a responsive React UI using Material UI and Tailwind CSS, ensuring smooth cross-device experience.

### Code Vertex - AI Coding Interview & Review Platform

(Live Link)

| TypeScript, React.js, Redux-toolkit, Node.js, Code LLaMA via Hugging face API, AWS (lambda,S3)

- Launched an interactive coding platform with 150+ frequently asked coding questions and AI-driven Feedback powered by the Hugging Face Inference API using the Code LLaMA model.
- Built scalable APIs hosted serverless on AWS Lambda and frontend deployed on S3, integrating a responsive React UI with an embedded code editor, reducing recruiter review cycles by 40%.

