

# MOHAMMED MUDASSIR

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## EDUCATION

<b>Arizona State University</b> <i>Master Of Science in Information Technology – (GPA:4.0)</i>	Tempe, AZ <i>Jan. 2024 – Dec. 2025</i>
<b>Osmania University</b> <i>Bachelor of Engineering in Computer Science – (GPA:3.7)</i>	Hyderabad, India <i>Aug. 2018 - July 2022</i>

## 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

<b>Database Developer</b> <i>L'Space by Nasa, Arizona State University</i>	<i>Apr. 2025 – Present</i> Tempe, AZ
<ul style="list-style-type: none"><li>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.</li><li>Engineered a fully normalized Snowflake schema and biweekly automated data pipelines, reducing manual workload by 80% while enhancing data freshness.</li><li>Designed and implemented a field-level validation framework with 95% discrepancy detection accuracy, ensuring end-to-end data integrity and reliability.</li></ul>	
<b>Open-Source Contributor- Frontend Developer</b> <i>Bluewave Labs</i>	<i>Feb. 2024 – Present</i> Remote

**Open-Source Contributor- Frontend Developer**  
*Bluewave Labs*

- 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**  
*Indian Servers*

- 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

<b>FamBond-A Private Networking Platform</b>   <i>React.js, JavaScript, Redux toolkit, Node.js, MongoDB, AWS</i>	<i>(Github)</i>
<ul style="list-style-type: none"><li>Built a full-stack platform supporting 100+ concurrent users with secure real-time interactions, and AWS powered media storage.</li><li>Designed a modular backend with REST APIs and a responsive React UI using Material UI and Tailwind CSS, ensuring smooth cross-device experience.</li></ul>	
<b>Code Vertex - AI Coding Interview &amp; Review Platform</b>   <i>TypeScript, React.js, Redux-toolkit, Node.js, Code LLaMA via Hugging face API, AWS (lambda,S3)</i>	<i>(Live Link)</i>
<ul style="list-style-type: none"><li>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.</li><li>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%.</li></ul>	

