

SIDDHESH MORE

✉ mosiddhesh@gmail.com  [sidessh](https://www.linkedin.com/in/sidessh)  [sidesshmore](https://github.com/sidesshmore)  [sidesshmore.com](https://www.sidesshmore.com) ☎ +1 (480) 567-6235 📍 Tempe, AZ

Education

Arizona State University

Master of Science in Computer Science | GPA - 4.0/4.0

Aug 2025 – Present

Tempe, Arizona

University of Mumbai

Bachelor of Engineering in Artificial Intelligence and Data Science | GPA - 3.72/4.0

Aug 2021 – May 2025

Mumbai, India

Work Experience

CIS Research Aide | Arizona State University

Dec 2025 – Present

- Built scalable **FastAPI microservices** with RAG-enhanced LLM routing, deploying ML pipelines on **AWS Lambda** with **CI/CD** using GitHub Actions to process **500+ daily queries** with 95% contextual accuracy.
- Architected chat-history retrieval system with **Supabase PostgreSQL**, implementing caching and real-time sync to reduce query latency by **60%** across frontend-backend integration.

Software Development Intern | Ayuarogya Saukhyam Foundation

Sept 2024 – Mar 2025

- Engineered cross-platform mobile app using **Flutter** with **Supabase** backend, implementing **OAuth 2.0** authentication and real-time sync that scaled to **300+ rural users** with **99.5% uptime**.
- Designed accessible responsive UI with multi-language support and voice navigation across **15 screens**, reducing onboarding time by **40%** through A/B testing and user feedback.

Python Development Intern | Digibranders Private Limited

Jun 2023 – Aug 2023

- Developed production ready **RESTful APIs** using **Django REST Framework**, implementing **Redis** caching and query optimization to achieve **60ms response time** for ERP operations handling **50K+ daily requests**.
- Optimized **PostgreSQL** schema across **15+ tables** by adding composite indices and restructuring joins, reducing report generation from **45s to 6s** and improving query performance by **85%**.

Projects

Text2SQL System (SOTA on Spider 1.0) | *Python, PostgreSQL, FAISS, Streamlit, LangChain*

[Link](#)

- Architected state-of-the-art Text2SQL pipeline with dual-similarity retrieval using **FAISS** **vector DB**, query routing, and decomposed generation, achieving **91.8% execution accuracy** on Spider 1.0 benchmark (ranked #1).
- Outperformed MiniSeek (91.2%) and DAIL-SQL + GPT-4 (86.6%) by **5.2 points** through NatSQL-based decomposition and self-correction, reducing SQL syntax errors by **73%**.

Referrlyy App | *PostgreSQL, Docker, Flutter, Next.js, Express.js, Render*

[Link](#)

- Launched full-stack referral platform serving **1,400+ mobile users** and **3,600 web visitors**, achieving **200 MAUs** with **14% retention rate** through gamification and push notifications.
- Built scalable microservices with **Flutter** mobile app, **Next.js/Express.js** web platform, and **PostgreSQL** on **Render** with **Docker**, processing **100+ job applications** via automated matching.

Aqua Trace App | *Firebase, TensorFlow, MobileNet CNN, Flutter*

[Link](#)

- Published Google Play Store app tracking water footprints with **800+ downloads** across **50 countries**, reducing average user consumption by **18%** through personalized insights and recommendations.
- Trained and deployed **MobileNet CNN** on **6,000+ images** across 42 categories, achieving **89% accuracy** with **120ms inference** using **TensorFlow Lite** on-device processing.

Technical Skills

Languages: Python (NumPy, Pandas, Matplotlib, Scikit-learn), JavaScript/TypeScript, Java, Dart, C/C++, SQL, HTML/CSS, Bash

Frameworks & Libraries: React, Next.js, Node.js, Express.js, Django, Flask, FastAPI, Spring Boot, Flutter, TensorFlow, PyTorch, LangChain, Streamlit, Keras

Databases & Cloud: PostgreSQL, MySQL, MongoDB, Redis, Firebase, Supabase, AWS (Lambda, S3, EC2, RDS), GCP, Azure, Docker, Kubernetes

Tools & Practices: Git, GitHub Actions, Jenkins, CI/CD, Postman, Swagger, Figma, Jest, Pytest, JUnit, Agile/Scrum, RESTful APIs, GraphQL, Microservices, Test-Driven Development

Core Competencies: Data Structures & Algorithms, System Design, Distributed Systems, Machine Learning, Deep Learning, Full-Stack Development, API Development, Database Design, Cloud Architecture