

Manas Mhasakar

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EDUCATION

Georgia Institute of Technology

Master of Science in Computer Science

August 2024 - May 2026

Atlanta, Georgia, US

Relevant Coursework : Graduate Algorithms, Database, Computer Networks, Software Analysis, HCI, Machine Learning

BITS Pilani, India

Bachelor of Engineering in Computer Science

July 2019 - August 2023

Goa, India

Relevant Coursework : Data Structures, Algorithms, Object-Oriented Design, Database Systems, Compilers, Computer Networking, Operating Systems, Software Engineering, Programming Languages, Cloud Computing, Artificial Intelligence

WORK EXPERIENCE

Meta

Software Engineering Intern - Meta Account Access team

Menlo Park, California

May 2025 - August 2025

- Delivered 3 high-impact authentication infra projects, driving large-scale improvements across Meta's login systems.
- Implemented a unified login challenge flow across Meta apps, streamlining auth logic, & enabling scalable platform reuse.
- Built a modular framework for standardizing email & SMS login challenge notifications across Meta's family of apps.
- Introduced extensible, interface-based abstractions to support rapid per-app customization and reduce code duplication.
- Refactored post-auth cookie-sharing flows across FB, IG, and MSGR, reducing legacy risk & improving maintainability.

Microsoft Research

Research and Software Fellow

Bengaluru, India

July 2023 - August 2024

- Drove development efforts across multiple LLM use cases and built RAG systems using Python, LlamaIndex, GPT-4.
- Spearheaded backend development for a speech analysis application leveraging LLMs, scaling to over 3000 active users.
- Engineered an orchestrator engine for optimizing LLM call synchronization and improving system efficiency by 35%.
- Developed algorithms enhancing LLM output consistency using few-shot learning, boosting reliability by 25%.

SuperPe

Software Development Intern

Bengaluru, India

January 2023 - June 2023

- Architected a scalable backend architecture at a start-up using Python Django, scaling to over 50,000 daily transactions.
- Implemented underwriting for assessing credit risk, reducing default rates by 12% and flagging 15% more high-risk users.
- Migrated vital microservices to FastAPI and optimized data retrieval with DynamoDB, achieving 30% faster lookups.

Dezerv

Backend Development Intern

Bengaluru, India

September 2022 - December 2022

- Designed REST APIs in Golang to interact with MongoDB and Redis for a digital investment management start-up.
- Integrated document prefilling, cutting onboarding time by 80% and increasing user retention, boosting growth by 28%.
- Automated account verification and transaction services which eliminated over 30,000 manual validation tasks monthly.

PROJECTS, OPEN SOURCE & PUBLICATIONS

Graduate Research Assistant : Kumu Connect | Ka Moamoa Lab, Georgia Tech

August 2024 - Present

- Building an LLM-powered teacher-support web platform to improve curriculum creation for Hawaiian Immersion schools.
- Enabling teachers to quickly design grade-specific and culturally relevant lessons, saving them several hours per month.
- Published research findings at CHI Conference on Human Factors in Computing Systems 2025. [Publication Link](#)

Comuniqua | Exploring LLMs for Improving Speaking Skills

September 2023 - December 2023

- Conducted user studies with over 60 students for Comuniqua, a novel LLM-based system for enhancing English speech.
- Published findings and presented them at the 7th ACM SIGCHI COMPASS 2024 conference. [Publication Link](#)

TECHNICAL SKILLS

Programming Languages: Java, Python, C++, C, Golang, JavaScript, TypeScript, HTML/CSS, Bash, SQL

Databases: MySQL, PostgreSQL, MongoDB, Redis, Neo4j, Azure Cosmos DB, Amazon RDS, DynamoDB

Frameworks: Flask, Django, FastAPI, TensorFlow, React, PyTorch, NodeJS, React Native, ElasticSearch

Cloud Tools: Azure, AWS (EC2, Lambda, S3), Google Cloud (GCP), Docker, Kubernetes, Git, CI/CD, Linux

Networking and Systems Skills: Distributed Systems, Apache Spark, Hadoop, TCP/IP, HTTP/HTTPS,

Multi-Threading, Agile, Virtual Private Cloud, Parallel Processing, Load Balancer, Git, Linux, Jenkins