

MUHAMMAD JAZLAN

Davis, CA, USA

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EDUCATION

PhD., Computer Science, University of California, Davis

Expected 2029

Research: Tracking, User Privacy and Security, LLMs

BSc., Computer Science, Lahore University of Mangement Sciences

2020 - 2024

Relevant Coursework: Topics in Internet Research, Distributed Systems, Machine Learning, Operating Systems, Network Security

EXPERIENCE

Graduate Student Researcher

August 2024 - Present

University of California, Davis

Davis, USA

- Creating a framework for the detection of server side tagging
- Developing a novel DVFS-based hardware fingerprinting mechanism
- Reverse engineering the Google Tag Manager data layer
- Developed a general anti-tracking framework with fine-tuned LLMs

Consulting Developer

Jan 2024 - September 2024

Kavelogics

Lahore, Pakistan

- Served as the lead consultant and chief systems architect for Kavelogics, a software firm in Pakistan
- Developed the [Kavelogics website](#)

Research Assistant

May 2023 - July 2024

Networks Research Group @ LUMS

Lahore, Pakistan

- Designed and developed a low-latency datastore optimized for Multi Access Edge Computing.
- Lead a research project on a Cognitive Study of early LLMs (GPT 3.5, Bard, LLaMA).
- Trained an LSTM model for Handover and Base Station Prediction, achieving 97%+ accuracy on a High Speed Rail Dataset.

DEVELOPMENT PROJECTS

Multi Modal Fine Tuned LLM for Tracking Classification Created a multi-modal fine tuned version of Gemma 1b and 4b for feature extraction using Unsloth. This LLM takes as input a graph and text to output a binary label. The graph passes through a Graph Attention Network (GAT) before going through the LLM. I also experimented with self attention and cross modal fusion to improve accuracy.

Ingate Delivery App Built a mobile app using React Native, FastAPI and MongoDB for university students. Students can place orders to choose orders to deliver, all on the same platform, while charging a fee for delivery. 8 out of 10 users chose to use our app in a university-wide survey.

SKILLS

Languages

Python, Javascript/Typescript, C, C++, Go, Bash

Frameworks

React, FastAPI, Tensorflow, PyTorch, MongoDB, Postgres, Playwright, Selenium

Tools

Linux, Git, TailwindCSS, Shadcn, Wordpress, Docker, AWS, DigitalOcean, Vercel