

MUHAMMAD JAZLAN

Davis, CA, USA

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EDUCATION

PhD., Computer Science , University of California, Davis	Expected 2029
<i>Research:</i> Tracking, User Privacy and Security, LLMs	
BSc., Computer Science , Lahore University of Management Sciences	2020 - 2024
<i>Relevant Coursework:</i> Topics in Internet Research, Distributed Systems, Machine Learning, Operating Systems, Network Security	

EXPERIENCE

Graduate Student Researcher University of California, Davis	August 2024 - Present <i>Davis, USA</i>
<ul style="list-style-type: none">• 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 Kavelogics	Jan 2024 - September 2024 <i>Lahore, Pakistan</i>
<ul style="list-style-type: none">• Served as the lead consultant and chief systems architect for Kavelogics, a software firm in Pakistan• Developed the Kavelogics website	
Research Assistant Networks Research Group @ LUMS	May 2023 - July 2024 <i>Lahore, Pakistan</i>
<ul style="list-style-type: none">• 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 Unislot. 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