

RIYAN MUJTABA MEMON

Self-taught Developer & AI Researcher

github.com/RiyanMujtaba · riyanmujtaba.github.io · mujtabariyan91@gmail.com

PROFILE

18-year-old self-taught developer from Hyderabad, Pakistan. I build full-stack apps, games, and AI-powered tools — whatever interests me. Co-authored a research paper accepted at CHI 2025. Always learning, always shipping.

EDUCATION

The City School — Jinnah Campus

Hyderabad · Sindh Board · 2013 – 2024

12 Years of Schooling

RESEARCH & PUBLICATIONS

CHI 2025 · HEAL WORKSHOP

From Job Titles to Jawlines: Using Context Voids to Study Generative AI Systems

Yokohama, Japan [CHI 2025] [arXiv]

Co-authored with researchers from the University of Washington's iSchool. Introduced a speculative design methodology for auditing generative AI by creating *context voids* — stripping context to expose how models fill gaps with biased assumptions. Probed GPT-4 and DALL-E using professional CVs.

Memon, De, Kang, Mujtaba, AlShebli, Davis, Snyder, West

SKILLS

Languages	JavaScript, HTML/CSS, Lua, Python
Tools	Firebase, Three.js, Socket.io, Groq API, Pico-8, Git
AI / LLM	Claude, prompt engineering, Groq Llama vision
Other	Research writing, speculative design

PERSONAL DETAILS

Born	7 August 2007
Nationality	Pakistani
Location	Hyderabad, Sindh, Pakistan

PROJECTS

KiloTrack ▲ Live

JavaScript · Firebase · Groq AI · PWA

Full-stack gym & calorie tracking PWA. AI food photo analysis via Groq's Llama vision, personal record tracking with bodyweight-ratio rankings, South Asian food database. Real-time Firebase sync.

Mail Mission ▲ Live

JavaScript · Gmail API · AI

AI email task extractor with a terminal hacker aesthetic. Connects to Gmail and surfaces tasks ranked HIGH / MEDIUM / LOW with an auto-generated daily brief.

Uni Finder ▲ Live

HTML · JavaScript · CSS

University search tool for international students. Filter by country, GPA, and accepted tests (IELTS, TOEFL, Duolingo). Covers Europe, North America, Australia.

Browser FPS ● WIP

JavaScript · Socket.io · Raycasting

Browser-based first-person shooter with raycasting in vanilla JS. Real-time multiplayer via Socket.io — players join rooms and compete live.

Footy Scores ▲ Live

JavaScript · CSS

Retro-styled live football scores site with a classic scoreboard aesthetic.

Pico-8 Breakout ● Complete

Pico-8 · Lua

Breakout-style game for the Pico-8 fantasy console — 128x128 pixels, coded in Lua.

Three.js Experiments ● Ongoing

Three.js · WebGL · JavaScript

Explorations in 3D browser graphics — scenes, shaders, and interactive environments.