Mohammad Abdullah

Email | LinkedIn | GitHub

EDUCATION

King's College London   London, UK
BS Computer Science (Grade: 1:1 Honours)   *Sep 2023 – Jun 2027*

UC San Diego   San Diego, California
BS Computer Science (GPA: 3.8/4.0)   *Sep 2025 – June 2026*

EXPERIENCE

Stanford Snyder Lab   Aug 2025 – Present
Research Engineer   *California, USA*
- **Designed and implemented CI/CD pipelines and production infrastructure** using **GitHub Actions, Docker, Firebase, and Google Cloud**, enabling automated deployments, monitoring, and scalable app launches; currently **leading migration of infrastructure from GCP to AWS**.
- **Developing advanced research support features** including **integration of Qualtrics, contextualized LLM-powered assistance for researchers**, non-technical outlier detection for participant data, and streamlined researcher–participant contact channels (email/phone).

Google   Jun 2025 – Sep 2025
Software Engineering Intern   *London, UK*
- Developed **scalable infrastructure and data pipelines** in **Java and SQL** to automate deterministic checks in the Google Play app review process, **reducing manual reviewer time by 40%.**
- Extended an **LLM-powered review pipeline in Python** to handle subjective questionnaire responses using **ML models**, **improving decision coverage by 30%**.
- Optimized and partially **automated the developer autoban system**, **improving enforcement efficiency by 20%** and reducing manual intervention.

CarbonTag   Nov 2024 – April 2025
Software Engineering Intern   *London, UK*
- Developed responsive web application components using **JavaScript** and **React**, ensuring seamless compatibility across mobile and desktop devices while **enhancing UI/UX with dynamic animations using Material-UI.**

PROJECTS

Maverick   Jan 2025 – Present
Tech Stack: Python, NumPy, Pandas, Treys, Pytest, AI/ML   *London, UK*
- Developed Maverick, a **performance-optimized poker analysis engine** and CLI tool integrating Monte Carlo simulations, vectorization, caching, and **AI-driven opponent modeling** to deliver real-time hand evaluation, equity calculations, and strategic recommendations using Python (NumPy, Pandas, Pytest).

Factify.AI   Jan 2025 – Feb 2025
Tech Stack: TypeScript, Next.js, Cherio, Axios, Chrome Extension Tools, Tailwind   *London, UK*
- Developed an **AI-powered real-time fact checker** that verifies image, text, or URL inputs and generates a detailed report with reliability scores, reasoning, corrections, false claims, and counter sources, while converting the web app into a **one-click Chrome extension** for seamless fact-checking of current webpages.

SKILLS

Programming Languages: Python, Java, HTML, CSS, JavaScript, SQL, Swift, Assembly, C++, Scala

Frameworks: JavaFX, Material UI, Next.js, Django, Firebase, Supabase, NumPy, Pandas

EXTRACURRICULAR ACTIVITIES

UniBots UK 2024 Cambridge University - Vision Lead   Feb 2024 – Mar 2024
- Led the vision team of our Robotics Society team to 3rd place in Unibots-UK organized by Cambridge University by **optimizing robot vision with Python, Arduino, and Raspberry Pi**

Competitive Programmer - Citadel   Apr 2024 – May 2024
- **Ranked in the top 8 out of 32 teams in a selective European competitive programming competition** by developing **Python algorithms** for a tower defense game