

Sophina Akram

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SUMMARY

Penultimate-year Computer Science (Data Science and AI) student at the University of Dundee. Skilled in software development, full-stack web applications, and database systems. Strong background in teamwork, leadership, and problem-solving, with experience leading student initiatives and winning a national hackathon.

PROJECTS

Co-founder of Lost Voices - Fashion-Tech Company 2025 - present

Founded Lost Voices, a concept fashion-tech brand aimed at amplifying underrepresented communities through clothing and digital storytelling. Plans include developing an initial product line, building a brand identity around empowerment, creating a digital platform to share community stories, and exploring sustainable production methods. As part of my project, I will also design prototypes, research target markets, and prepare a strategy for scaling the brand.

Campus Companion - Next.js (DUCS Quackathon 2025 Winner) 2025

Developed tools to improve student onboarding, including chat-based Q&A with LLM integration. Won the Junior Challenge at DUCS Quackathon 2025.

Freelance Web Designer 2025

Designed a website for startup AI legal company, to ensure it was inclusive for a wide range of users. As part of the project, I developed awareness of best practices in security and application resiliency.

Graph Pathfinding System - C (University Project) 2024

Built an adjacency-matrix graph for a map navigation game, implementing Dijkstra's algorithm for shortest paths.

Process Scheduling Simulator - C++ (University Project) 2024

Implemented Round-Robin and Shortest Time-to-Completion-First algorithms to simulate CPU scheduling, comparing efficiency and response time.

Research Assistant - University of St Andrews 2023

Contributed to a collaborative project on women's entrepreneurship at the University of St Andrews. Assisted with research design, data collection, and initial analysis supporting international collaboration and policy impact.

WORK EXPERIENCE

Welfare Officer - University of Dundee 2025 – Present

Dundee University Computing Society (DUCS)

Responsible for student welfare initiatives, supporting members' wellbeing, and ensuring inclusivity within the society.

Promotion & Communication Lead - Angus & Dundee District Volleyball Association 2025 – Present

Manage the association's Facebook page, launched its Instagram presence, and developed the official website to increase visibility and community engagement.

Private Tutor 2022 – Present

Tutoring Maths and science related subjects for children with learning difficulties. Provided private tuition to students of different age groups in science related subjects.

Sales Assistant — Boots 2022

Helped customers select products, processed transactions, managed stock and displays, and maintained inventory records.

Sales Assistant- British Heart Foundation 2021 – 2022

Assisted customers, handled transactions, and maintained stock; developed strong communication and customer service skills.

Assistant Coach - University of St Andrews Mar 2020 – Jan 2021

Supported coaching sessions by assisting with drills, mentoring younger players, and organising training activities.

EDUCATION

2023 - present	Computer Science (Data Science and AI) at The University of Dundee Founding Member of Debate Team, Founder of Women’s Basketball Team
2019 - 2022	High School Diploma Madras College (Highers: A, A, A, A, A) Grade 6 - Verse and Prose London Academy of Music Dramatic Art (Bronze) Grade 6 - Speaking in Public London Academy of Music Dramatic Art (Silver)

SKILLS

Programming Languages	Python, Java, C, C++, JavaScript, SQL, HTML, CSS
Frameworks + Tools	React, Node.js, Express.js, Git, SQL Databases (PostgreSQL/MySQL)
Transferable Skills	Problem-Solving, Critical Thinking, Teamwork, Leadership, Communication, Time Management, Creativity
Languages	English (Fluent), Arabic (Fluent)