

Sophina Akram

Computing Science Student

My portfolio:
<https://sophinaa.github.io/portfolio/>

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Personal Statement

I am currently a second year Computing Science Student at The University of Dundee. I am passionate about software engineering, combining creativity and logic to solve real-world problems. With experience in programming, project development, and leadership, I seek to enhance my skills through industry experience, collaborative projects, and continuous learning opportunities. I aspire to develop user-friendly interfaces that accommodate diverse needs, ensuring accessibility and inclusivity.

EDUCATION HISTORY

UNDERGRADUATE:

COMPUTING SCIENCE

Institution: University of Dundee

- Year of Graduation: 2027

HIGHSCHOOL:

Madras College, St Andrews

Year of Graduation: 2022

- Advance Higher:
 - Chemistry: C
 - PE: A
 - Biology: C
- Highers
 - Maths: A
 - Modern Studies: A
 - PE: A
 - Biology: A
 - Chemistry: A

RELEVANT SKILLS

- Java, HTML, CSS, C, C++, Python
- Front End & Back End Coding
- Technical Documentation

LANGUAGES

- English - Bilingual level (Fluent)
- Arabic - Bilingual level (Fluent)

PROJECTS (CS)

- Portfolio website
 - HTML, CSS, JavaScript
- Traffic Light system with a Raspberry Pi
 - Python
- Snakes and Ladders Parody
 - Java
- Simulating OS Processors
 - C, C++
- Ai Problem Solving Task
 - Python
- Game map traversal system
 - C
- Vehicle Rental System
 - C++

PROJECTS (other)

Research

- I was helping a lecturer at the university of St Andrews with a research project that she had on women entrepreneurship

Tech-crafting

- I built my own PC at home
- In highschool I built a VEX robot

GENERAL EXPERIENCE

TUTORING

Madras College

In my last year of high school I tutored students in my school with severe learning disabilities.

Private

I tutored a 7th grade student in most of her subjects including; Maths, English, History ect.

VOLENTEERING

University of St Andrews

I was a volunteer coach in multiple sports for primary school children. I helped out during the summer with camp and weekly after school, helping the kids with football.

British Heart Foundation

I worked both on the shop front selling products, dealing with customers and I also worked behind the scenes making sure that everything was organised and ready to be put out on the shop.

COURSES

London Academy of Music + Arts (LAMDA)

- Grade 6 - Verse and Prose
- Grade 6 - Speaking in Public

Harvard CS50 Courses

- Web Programming with Python and JavaScript
- Introduction to Artificial Intelligence with Python

University of St Andrews

- Young Ambassador Program (PE)
- Leadership, App Building Program

WORK

Boots

I was on the sales staff team.

CHALLENGES

Highschool -

UKMIT

- Junior Comp - Bronze, Silver
- Intermediate Comp - Silver

UK Bebras Challenge

HOBBIES

Basketball

- In highschool, I organised a women's only basketball club

Reading

- To broaden my knowledge outside my field, I started a reading club with my friends

Boxing

- I joined the Boxing society with my university

Cooking//Baking

- I like to make food for my family and friends

Gym

- To help me cope with stress, I lift at the gym daily.

Travelling

- I really enjoy spending time with my family exploring, road tripping, experiencing new cultures and meeting new people

Coding

- On the side of my uni work, I enjoy to teach myself other languages

REFERENCES

- Gemma Webster - Lecturer - Email: GWebster002@dundee.ac.uk?
- Dr Hannah Dean - Lecturer - Email: hd48@st-andrews.ac.uk