

Aaisha Mohammed Shafeek

Biotechnology Student



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🚩 Indian

♀ Female

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🐙 github.com/aaishams

PROFILE

I'm a third-year Biotechnology Engineering student deeply passionate about both programming, especially in Python, and Biological Sciences. Thus, I aspire to pursue higher studies in Bioinformatics. With strong leadership skills from volunteering and project management, I excel in problem-solving, organization, and coordination. My effective communication and attentive listening further enhance my ability to contribute meaningfully.

PROFESSIONAL EXPERIENCE

Pragotomia

Subject Matter Expert

09/2023 – 11/2023

- It was a part-time job assisting school students with clearing their doubts, for which I received payment.
- The doubts were based on school-level Physics, Chemistry, Biology and Mathematics.

VETA Genomics

Internship Trainee

05/2023 | Thrissur, India

- It was an internship based on Molecular Biology Techniques and Bioinformatics.
- During the internship, I got a hands-on practical experience on DNA Isolation, Agarose Gel Electrophoresis, Polymerase Chain Reaction (PCR), Touchdown PCR, RT-PCR, Antibacterial Assay, Advanced Qubit Fluorometry, Primer Designing and various Bioinformatics tools and databases.

SKILLS

- Problem-Solving
- Leadership
- English Proficiency
- Computer Skills
- Effective Time Management
- Teamwork
- Fast Learner
- Microsoft Office
- Communication Skills
- Analytical Skills
- Multitasking
- Creative Thinking
- Management Skills

PROJECTS

Portfolio Website (ongoing)

03/2024 – present

I am currently working on my portfolio website using Python, HTML, CSS and JavaScript.

EDUCATION

B.Tech. Biotechnology

Sahrdaya College of Engineering and Technology

2021 – 2025 | Thrissur, India

Senior Secondary Education

St. Peter's Senior Secondary School

2021 | Ernakulam, India

High School Education

The Village International School

2019 | Idukki, India



PROGRAMMING LANGUAGES

C	● ● ● ● ●
Python	● ● ● ● ●
HTML	● ● ● ● ●
R	● ● ● ● ●
CSS	● ● ● ● ●



ORGANIZATIONS

IEEE Sahrdaya SB

Vice Chair

03/2024 – present

IEDC Sahrdaya

Third Year Vice President of Biotechnology Department

08/2023 – present

IEEE Photonics Society Kerala

Chapter

Women Membership Development Coordinator

05/2023 – present

EMBS, IEEE Sahrdaya SB

Chairperson

04/2023 – 03/2024

Sudoku Solver using Python (ongoing)

03/2024 – present

A program to solve any solvable Sudoku problem. I am working on both the text and gooey versions.

Python Mini-Projects

02/2024

Three mini-projects based on Python:

First one is a game called 'PIG'.

Second one is a funny story generator called 'MADLIBS GENERATOR'.

Third one is a competitive math game called 'TIMED MATH CHALLENGE'.

Link to access: <https://github.com/aaishams/ma-Python-Mini-Projects>

LASSCare Period Health Gummies (ongoing)

02/2023 – present

A nutraceutical gummy to minimize or completely eliminate menstrual symptoms mainly using two enzymes: Bromelain (from Pineapple) and Papain (from Papaya).

Automatic Indoor Plant Cultivation

11/2022 – 12/2022

An arduino-based automated system which could sense and adjust various requirements for plant growth and cultivation to solve the problems of climate change and promote sustainable agriculture. It enables indoor plant growth.

Solar Mobile Phone Charger

07/2022

A solar-based mobile phone charger to save electricity and replace wireless charging devices like powerbanks.



COURSES

The Joy of Computing Using Python

NPTEL

11/2023

Scored 92% (among 2% of the toppers)

Health Research Fundamentals

NPTEL

10/2023

Human Molecular Genetics

NPTEL

04/2022

Code Yourself! An Introduction to Programming

Coursera

06/2023

Altair 2.0

Volunteer

10/2023

Altair is a National Flagship Event of IEEE Sahrdaya SB. I was a part of the Guest Management team for Altair 2.0.

SIGHT, IEEE Sahrdaya SB

Treasurer

04/2022 – 04/2023

NSS (Unit no. 316)

Volunteer

04/2022 – 03/2024

Documentation Lead; Rudhirasena
Unit Coordinator

OTHER TOOLS

- Canva
- Microsoft 365 (Office)
- Google Apps
- ChatGPT

WORKSHOPS

Cyber Security and Ethical Hacking Workshop

11/2023

Python Programming Workshop

08/2023

Keras Community Day 2024 - Machine Learning Workshop

08/2023

Build-A-Bot Workshop

04/2023

Molecular Docking & Drug Design Workshop

11/2022

Content Creation: Strategy and Tools

LinkedIn

03/2023

Social Media Marketing Foundations

LinkedIn

01/2023

First Five Things You Have to Do to Start a Business as a Creator

LinkedIn

01/2023

Entrepreneurship Foundations

LinkedIn

11/2022

DECLARATION

I hereby declare that all the information provided in this resume is true and accurate to the best of my knowledge and belief.

Aaisha Mohammed Shafeek

Thrissur, 05/03/2024