

DEVNA MANIAR

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EDUCATION

University of Birmingham

September 2023 - July 2027

MEng Computer Science and Software Engineering

- Covering modules such as Theories of Computation, Artificial Intelligence and Data Structures and Algorithms

High School

September 2019 - July 2023

A Level: Maths, Biology, Chemistry, Physics

GCSEs: A* - B in English, Sciences, Math, Psychology, Media Studies, Business and Computer Science

WORK EXPERIENCE

Software Engineering Fellow

Headstarter AI

July 2024 - Current

- A 7-week software engineering fellowship that consists of building 5 AI projects from websites to trackers with weekend hackathons and culminating with a final project targeting business.

Student Ambassador & Representative

University of Birmingham Dubai

September 2023 - Current

- Effectively communicated with a variety of customers, including students and parents. I focused on customer needs and assisted with a range of administrative and student affairs, including but not limited to: Student led-tours, Admissions and Careers guidance.
- Representative for the University Student Body and regularly attend meetings to address concerns and ensure cohesion of student interests to enhance overall student experience.

Intern

Paramount Computer Systems

July 2022

- Developed problem solving, research and communication skills in a professional setting while doing in-depth industry research. I conducted research on different security systems and various cybersecurity solutions.

EXTRA-CURRICULAR ACHIEVEMENTS

Bootcamps

- Participated in various computing workshops in Summer 2023 held at American University of Sharjah:
 - Cybersecurity: Learned the basics of cyber security and ethical hacking such as cryptography and web security.
 - Smart Homes and IoT: Controlled various aspects of a Smart Home through a simulator coded with Python.
 - Machine Learning: Introduction to AI and ML with different uses and applications while having hands-on experience with a platform for training AI Models (Google Teachable Machines)

Courses

- Introduction to AI and Machine Learning - looked at topics such as Supervised, Unsupervised and Reinforcement Learning, Neural Networks and Deep Learning.
- Microsoft's Career Essentials in Generative AI - Learned how to utilise algorithms to create generative content, explored ethics behind Generative AI and an introduction to AI.
- Microsoft's Career Essentials in Cybersecurity - Learned frameworks in cybersecurity, basic cyber attacks, the threat landscape as well as using Copilot for Security.
- Microsoft's Career Essentials in Data Analysis - Learned the basics of SQL, datasets with an introduction to Power Query and Power BI
- Forage's EA Software Engineering Job Simulation: Built a class diagram, created a C++ header file as well as improved the Sims 4 codebase by implementing a more optimised data structure.
- Currently learning: Career Essentials in Software Development, Introduction to Web APIs
- DataCamp: Introduction to Data Science with Python - Leveraged libraries such as pandas and matplotlib to visualise data relating to a crime case.

Hackathons

- In October 2023, I participated in a Hackathon held by the University of Birmingham Dubai and developed programs to tackle problem tasks such as Encryption, Text Classification and Text Processing using a variety of languages such as Python and Java.

Conferences

- Regularly attending conferences such as GITEX. I use this as an opportunity to stay ahead of the curve and be informed, be more knowledgeable and network with specialists and experts in the industry.

Volunteering

- Team AngelWolf - Collaborated to provide People of Determination a new experience at Bounce DXB by fostering an inclusive environment where they were able to thrive and be on the same level as able-bodied people.
- Heroes of Hope - At UOBD I supported People of Determination to ensure their full participation and engagement in a variety of athletic activities.

SKILLS AND INTERESTS

- Languages: English, Hindi and Gujarati
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- IT Skills: Programming Languages : Intermediate Experience in both Python and Java
 Databases: Intermediate Experience in PostgreSQL
 Frameworks: Beginner Experience in Django
 Web Development: Intermediate Experience in HTML
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- Interests: Reading, Yoga, Gym, Brazilian Jiu Jitsu, Photography, Video Gaming