
Hababi Tafesse

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PERSONAL PROFILE

A Graduate Computer Science student from the University of Nottingham. I bring strong **analytical thinking, problem-solving abilities, and a solid foundation in programming** - developed through academic projects and hands-on experience. I'm eager to contribute to real-world software development while continuously growing my technical and collaborative skills within a dynamic engineering team.

EDUCATION

University of Nottingham – BSc Computer Science

SEP. 2022 - JUL. 2025

Grade: 2:1

Selected Modules include:

- Software Engineering Group Project (80%)
- Mathematics for Computer Scientists 2 (72%)
- Algorithm Structures and Data Efficiency (72%)
- Human-AI Interaction (70%)

Abbey Grange C of E Academy - A-Levels

SEP. 2018 - AUG. 2020

- A* in Mathematics,
- A in Physics, Chemistry, Further Mathematics (AS)

Abbey Grange C of E Academy - GCSEs

SEP. 2015 - AUG. 2018

- 11 GCSEs, Grades: 9-7 or A*

WORK EXPERIENCE

University Of Nottingham - University Park Campus, Nottingham - IT Support Team.

SEP. 2023 - JUN. 2025

- Responsible for resolving **IT-related issues** for the students and staff of the University of Nottingham.
- The nature of the job requires **technical knowledge, problem-solving skills, and excellent customer service** to provide reassuring and successful service.

University Of Nottingham - Jubilee Campus, Nottingham - Capital One Software Engineering Project.

SEP. 2023 - MAY. 2024

- Collaborated with Capital One for 9 months to develop an **AI-powered Spending Forecast App** as part of a second-year group project.
- Leveraged **AI technologies** and **app development software** to create an innovative solution, adhering to strict **AGILE methodologies** throughout the project.

HAP Solutions Group - The City Ground, Pavillion Road, Nottingham - Hospitality Shifts.

SEP. 2022 - AUG 2023

- Involved in various roles at The City Ground - home of Nottingham Forrest Football Club - including Stewarding, bar member, and ticketing office.
- **Excellent communication skills** were imperative to work different roles every shift under the intensity of matchdays.

University Of Leeds - University of Leeds, Woodhouse Lane, Leeds - Placement with the University of Leeds Physics Department.

JUN. 2019

- Gained insights into **cutting-edge research methodologies** and collaborated closely with established faculty members to produce a poster based on an active topic of research.
- This experience was beneficial in developing **analytical and problem-solving skills** while providing exposure to advanced scientific projects, contributing to my overall academic and professional growth.

TECHNICAL EXPERIENCE/ PROJECTS

Machine Learning

- Developed **machine learning models** using **Python** to predict pathological complete response (PCR) and relapse-free survival (RFS) in breast cancer patients using clinical and MRI-derived features.
- Applied advanced **data preprocessing, feature selection, and hyperparameter** tuning techniques to optimise performance and enhance clinical treatment stratification.

Web Applications

- Created a **publicly accessible web application** with **hundreds of active monthly users** worldwide, allowing users to **create custom music posters**.
- The Flask application uses the **Spotify API**, various **Python libraries**, and is hosted using **Amazon Web Services**.

Robotics

- Utilised **C++** to create a **robot arm** by utilising Arduino software and hardware. Using an infrared remote, the arm can pick up small items and move them across 3 degrees of freedom.

Mobile Development

- Developed a **cross-platform mobile flashcards application** using **React Native** with **Expo Router, TypeScript and Node.Js**.
- The project emphasises a smooth user experience with responsive UI, navigation, and real-time updates to flashcard content.

Data Science

- Used **Python and web scraping to analyse and visualise Leeds United's passing data** during match play.
- **Leveraged libraries** such as requests, pandas, and matplotlib to **process and present complex team movement patterns**. The visualisation highlighted key players, pass frequency, and field zones of activity.

Coding Experience

- Python, Java, C, C++, JavaScript, HTML, CSS, JavaScript, Flask, REST APIs, WebSocket, Flutter, Mobile UI/UX, Amazon Web Services (AWS), Amazon EC2, Docker (basic), CI/CD, Git, GitHub, GitLab, Figma, Visual Studio Code, Linux (Ubuntu), VS, IntelliJ IDEA, MySQL, SQLite, Firebase Realtime DB, Agile methodologies, Object-Oriented Programming (OOP), MVC architecture, Unit Testing, Debugging

EXTRACURRICULAR ACTIVITIES

- Former active member of the University of Nottingham Computer Science Society, responsible for organising various events & activities.
- Passionate about Football and enjoy the team ethos of playing competitively for the University of Nottingham Computer Science Society team.
- Fluent in English and Amharic, competent in French and Arabic.

ADDITIONAL AWARDS

D of E Silver Award - D of E Bronze Award - Sports Leaders UK Level 2 Qualification in Sports Leadership - AI in Digital Health Python Programming Certificate - IBM Skillbuilding: Artificial Intelligence Certificate - AWS Fundamentals Specialisation Certificate

REFERENCES

References available on request