

# Athikash Jeyaganthan

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## Education

### University of Nottingham

2023 – 2026

Key Modules: Fundamentals of Artificial Intelligence, Introduction to Software Engineering, Databases and Interfaces

Predicted First: **Achieved 80% on average first year**

### Beths Grammar School

2016 – 2023

A Level: Mathematics (A\*), **Further Mathematics (A)**, Physics (A), Computer Science (A),

GCSE: **9-6** including **Mathematics (9)** and **English Language (6)**

## Skills

- **Programming Languages:** Python, JavaScript, SQL, Haskell, Java, C
- **Programs:** SEO London, Zero Gravity
- **Tools & Technologies:** HTML, CSS, NextJS, React, Firebase, Git, Trello, Jupyter Notebook
- **Languages:** English (Native), Tamil (Native)

## Work Experience

### HEADSTARTER AI, SOFTWARE ENGINEERING FELLOW

Jul, 2024 – Present

- Building 5+ applications and APIs using technologies such as NextJS, OpenAI, Pinecone, and StripeAPI.
- Attended offline events and expanded professional network, fostering connections with the AI and Software Development community.
- Enhanced skills in data analysis and stayed current with the latest trends in artificial intelligence, contributing to personal growth as an AI-focused software developer.

### TECH ACADEMIA X DOTPLOT, FRONTEND ENGINEERING

Jul, 2024 – Aug, 2024

- Selected out of 83 applicants to partake in a Software & Data Engineering Accelerator Programme in collaboration with DotPlot, an award winning MedTech company developing a medical device to help detect early-stage breast cancer.
- Learnt the fundamentals of developing tech products from scratch, covering the Product Development Life Cycle. User-Centric Design, MVP & AGILE and applied learnings by competing in a Hackathon.
- Developed a Patient Data Management and Visualisation application to allow hospital staff to easily access patient details, breast cancer history and visualise their breast lesions on a 3D model to assist with detection of breast cancer using HTML, CSS, Javascript, Python and SQL.

### UNIVERSITY OF NOTTINGHAM, SMART BAR ASSISTANT

Jul, 2024 – Present

- Supported students with a range of IT services, including Wi-Fi connection, Microsoft 365, etc.
- Provided assistance following comprehensive training, utilising excellent customer service skills.
- Ensured successful resolution of numerous student IT issues, enhancing overall student experience during start of session support

## Projects

### INVENTORY MANAGEMENT TRACKER ([HTTPS://INVENTORY-MANAGEMENT-RED.VERCEL.APP/](https://inventory-management-red.vercel.app/))

Jul, 2024 – Jul, 2024

- Developed a web application for managing and tracking pantry inventory using NextJS, React, Firebase, and Vercel.
- Implemented secure user authentication with Firebase, integrated Firestore for real-time data storage, and enabled image uploads via Firebase Storage. Deployed the application on Vercel, ensuring optimised performance and accessibility.
- Achieved 99.9% uptime post-deployment with Vercel, enhanced user engagement significantly through a responsive design and managed many item entries.

### PORTFOLIO WEBSITE

Jul, 2024 – Jul, 2024

- Developed a personal portfolio website to showcase my web development skills and projects, aiming to improve my professional online presence.
- Created the website using HTML and CSS for layout and design, added interactivity with JavaScript, and deployed on GitHub Pages with a custom domain through DNS configuration.
- Launched a fully functional portfolio site with a good performance score on the lighthouse test and led to more professional opportunities.