

# NISHCHAY BHUDIA

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## PROFESSIONAL SUMMARY

I am a motivated Year 12 student predicted to achieve A\*AA. I aim to secure a Level 6 Tech/AI Degree Apprenticeship in 2027. I blend strong math skills and economic modelling with self taught engineering knowledge in Python and modern web frameworks. I have experience managing the software engineering process from designing algorithms to deploying on Vercel. I can deliver technical solutions under pressure thanks to my community leadership and industry mentorship experience. I am ready to bring resilience and technical flexibility to the workplace.

## EDUCATION

### Woodhouse College, London, UK

Sep 2025 – Jun 2027

*A Levels: Computer Science (Predicted A\*), Mathematics (Predicted A), Economics (Predicted A)*

I developed foundational skills in structured math frameworks, quantitative analysis and complex data logic. I applied economic dataset analysis and structured algorithm design to model dynamic and unpredictable systems within strict limits.

### Archer Academy, London, UK

Sep 2020 – Jun 2025

*GCSEs: 9 Subjects including Mathematics (7), Physics (7), Chemistry (7), Biology (7), Computer Science (6), Gujarati (8), English Language (6), History (6), English Literature (5).*

## TECHNICAL SKILLS

**Core Languages:** Python (Fluent), TypeScript, JavaScript, HTML.

**Frameworks & Tools:** React, Next.js, Supabase, Git, Linux (WSL), Vercel Deployment.

**Engineering Focus:** Full Lifecycle Development, Quantitative Data Modelling, Retrieval Augmented Generation (RAG).

**Languages spoken:** English (Native), Gujarati (Fluent spoken), Sanskrit (Basic reading proficiency).

## SOFTWARE ENGINEERING & AI PROJECTS

### Vedantic EEG Brainwave Classification System

[December, 2025]

*Personal Project*

I engineered a custom machine learning architecture in Python to process and classify raw EEG signal datasets. I tested and validated data models across numerous real world subjects to map variations in cognitive states during traditional Hindu meditation techniques. I addressed fundamental engineering issues related to real time system stability and live data stream fluctuations by writing strong algorithmic logic.

### Multilingual Retrieval Augmented Generation (RAG) System

[March, 2026]

*Personal Project*

I built an end to end AI chatbot that can process and contextually parse complex historical and classical scriptures in multiple languages. I created the frontend using Next.js, integrated Supabase for data management, and deployed the product on Vercel for low latency production execution.

## Quantitative World Cup Match Predictor

[June, 2026]

### *Personal Project*

I designed a statistical data modelling pipeline that ingested and analysed historical datasets of over 3,000 matches. I extracted measurable outcomes from variable driven environments to simulate high stakes sports predictions.

## INDUSTRY EXPOSURE & WORK EXPERIENCE

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### Executive AI & Software Engineering Mentorship

[April, 2026] – Present

*Industry Program — Mentored by Co Founders of Valyu AI & Navatech*

I am gaining direct experience with commercial AI strategy, agile software development cycles, and also commercial deployment practices. I am working on rigorous industry level software tasks to understand production scalability and technical execution.

### Corporate Tech Insight & Professional Exposure

2025 – 2026

**Pioneer Information Solutions Ltd (In Person):** I gained practical experience in a commercial IT setting, observing structural tech rollouts and adapting core computational ideas into IT solutions.

**Rolls-Royce & Amazon (Virtual Industry Experiences):** I completed corporate simulation programs focused on precision systems engineering, cloud deployment concepts, and large scale operational troubleshooting.

## LEADERSHIP, VOLUNTEERING & SOFT SKILLS

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### Lead Audiovisual & Media Operations Specialist

2019 – Present

*UK & International Temples*

I have volunteered for over 7 years at Stanmore Temple, directing children's camps, leading community logistics, managing technical media systems. I handled real time crisis management and infrastructure logistics for a historic temple's 200th anniversary celebration in India, ensuring seamless execution of live ceremonies under high pressure constraints. I delivered public speeches and hosted major award events at key locations across the UK, explaining complex themes clearly to large audiences in multiple languages at once.

### Competitive Sports Team Coach & Captain

[2021] – Present

*Football & Dodgeball*

I led both football and dodgeball teams to successive podium finishes through structured routines and motivating leadership. I improved my problem solving skills, composure in stressful situations and ability to communicate across teams in fast paced athletic environments.

## CERTIFICATIONS & LIFELONG LEARNING

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**Harvard University (EDX):** CS50 Introduction to Artificial Intelligence with Python

**Anthropic:** AI Fluency Certification Course (Current trends, LLM scaling, and optimisation)

**Headteacher's Award:** Recognition of consistent effort and strong commitment to the school's values.

**Crest Bronze Award:** Completed an investigative science experiment on "Is the 5 second rule effective?"