

Isha Ingersol

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EDUCATION

University of Birmingham | Major: Computer Science and Software Engineering - GPA: 3.25 Anticipated Grad Date: Jul 2025

- Leadership Experience: Marketing Student Ambassador | Year 3 CS Student Rep | Student Ambassador | Year 2 CS Student Rep
- Relevant Coursework: Data Structures & Algorithms, Operating Systems & Systems Programming, Machine Learning, Cybersecurity
- **Honours & Awards:** AIESEC Public Speaking Competition: 1st Place | Intra-University Debate Competition: 3rd Place | Chancellor's Academic Merit Scholarship Award

EXPERIENCE

Software Engineer Intern Dec 2023 - Feb 2024
[blackNgreen](#) | Remote

- Acquired expertise in 2+ NLP tools, leveraging multimodal image search with embeddings and vector databases for data retrieval.
- Mastered GPT and LLMs, including development and 3 optimisation strategies: fine-tuning, RAG, and hybrid approaches.
- Researched and formulated strategies to create personalised AI avatars for 1 purpose – providing interactive and conversational experiences, incorporating advanced visual and auditory customisation options.

Software Engineer Intern Jul 2023 - Sep 2023
[blackNgreen](#) | Remote

- Integrated 3+ essential components for an upcoming AI assistant using JavaScript XML, TypeScript, and Material UI (MUI).
- Enhanced usability by implementing 2 key features (microphone and file upload), resulting in better user interaction and engagement.
- Improved team efficiency and decision-making through active participation in 2 project meetings every week.

Partnership Lead – Entrepreneurship World Cup Jul 2022 - Oct 2022
[Startupscale360 FZCO](#) | Dubai, United Arab Emirates

- Streamlined sponsorship management, securing the success of the competition, by engaging with 50+ potential sponsors.
- Identified and vetted 25+ promising startups through social media, improving the event's overall competitiveness.
- Created 5 strategic presentations and documented meeting minutes, leading to a 25% reduction in meeting time.

PROJECTS

“Carbon Smart”: A Sustainable Lifestyle Tracking Mobile Application Jan 2024 - Apr 2024

- Constructed an app to help users reduce carbon emissions using 2 techniques: footprint tracking and sustainable shopping initiatives.

“Wear Your Confidence”: An Internet of Things Application to help with poor posture Jan 2024 - Apr 2024

- Revolutionised a smart clothing system, to empower users and address key health and comfort implications by integrating 4 smart devices: Smart Vests, Smart Insoles, Adaptive Clothing, and Smart Mirrors.

“PetMate”: A Full Stack Web Application connecting Pet-Owners with Pet-Sitters Feb 2023 - May 2023

- Designed a user-friendly registration system and responsive interface for “PetMate”, generating a 20% increase in registrations.
- Leveraged expertise in JavaScript, HTML, CSS, AngularJS, SQL, Git, and Artificial Intelligence, leading to a 4.5-star average rating.

“Smart Agriculture”: Software Documentation of an Internet of Things Application Oct 2022 - Dec 2022

- Spearheaded a holistic IoT application to increase sustainability, enabling citizens to farm without expertise and documented 20+ sections including requirements, software specification and architecture, evaluation, testing, and usability prototyping.

CERTIFICATIONS

BCG Gamma: Data Science Job Simulation | *NVIDIA:* Fundamentals of Deep Learning | *Microsoft Azure AI:* Natural Language Processing and Computer Vision | *Google:* The Fundamentals of Digital Marketing | *Mastercard:* Cybersecurity Virtual Experience Program Participant

SKILLS

Programming Languages: Java, Python, C, SQL, JavaScript, Flutter, Haskell, C++ | *Web Development:* HTML/CSS, React, Node JS, SASS, TailwindCSS, Material UI, Bootstrap, MongoDB | *Artificial Intelligence:* Machine Learning, Data Science, Power BI, PyTorch, Keras, Microsoft Azure AI, Data Analysis, Retrieval-Augmented Generation, Imaging, Tableau, Data Engineering | *Other:* AWS, Cloud Computing, Git, Arduino, Figma, Agile Development, Microsoft Excel, SEO, SEM, Digital Marketing | *Languages:* English, Hindi, Tamil, French, Arabic