

Krishna Venkata Raman

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PROFILE

Goal-Oriented Computer Science and **AI** undergraduate student with a fervent passion for **technology**, proficient in a diverse array of **programming languages** including **Python, C++, Java, C#, Swift, and SQL**. Eager to apply this varied skill set to contribute to innovative projects across **software development, data analysis**, and **machine learning** applications within a dynamic industry landscape. Passionate about leveraging expertise in **agile methods, programming languages** and **machine learning models** to tackle complex challenges and drive impactful solutions.

EXPERIENCE

Incoming Software Engineering Industrial Placement

Jul 2025 - Jul 2026

HubSpot, London, United Kingdom

- Set to join **HubSpot's Software Engineering team**, where I will leverage my technical skills to build and improve **cutting-edge software applications**.
- **Expected** to engage in collaborative projects, apply **agile methodologies**, and support the development and maintenance of **HubSpot's innovative products**.

Full-Stack Software Developer Intern

Apr 2025 - Mar 2022

Neuro Notion, United Kingdom

- **Developed** innovative **AI-powered** digital solutions for adults with **ADHD**, improving user engagement and creating **impactful features** for the life management platform.
- **Collaborated** closely with senior developers to build **highly interactive** and **dynamic front-end components** using **React.js** and **Next.js**, enhancing overall **user experience** and platform **performance**.
- **Integrated complex API services** to seamlessly connect **front-end** and **back-end**, ensuring **smooth data flow** and improving overall **platform interactivity**.
- **Implemented server-side rendering (SSR)** and **static site generation (SSG)** to **optimize SEO** and **page load time**, resulting in **faster, more efficient content delivery**.

Data Analytics and Technology Intern

Jul 2024 - Sept 2024

Loughborough University, United Kingdom

- **Analysed placement trends** and **managed a comprehensive database** using advanced Excel functions, improving data accuracy and reporting efficiency.
- **Automated routine administrative tasks** using Microsoft Power Automate, enhancing productivity and reducing manual processing time by **40%**.
- **Developed and visualised data by creating detailed charts** and graphs for student destination statistics, updating career network presentations.

Software Solutions Development Intern

Jul 2023 - Sept 2023

Moebius Management Solutions, Dubai, UAE

- **Designed, developed, and deployed automated software solutions** to streamline **business processes** and improve operational efficiency.
- **Utilized cloud computing platforms (AWS, Azure)** to deploy **scalable web applications**, reducing infrastructure costs by **20%**.
- **Contributed** to the **design and optimization** of internal **dashboards** using **Power BI** and **Python** for **real-time data analytics** and reporting.

EDUCATION

Loughborough University, *Loughborough, United Kingdom*
Bachelor of Science | Computer Science and Artificial Intelligence
Expected Grade: First Class

Expected July 2027

- **Chair** of the **Loughborough Indian Society**
 - **Badminton Coordinator** for **Social Sport**
 - **Core Modules:** Embedded Systems Programming, Software Engineering, Machine Learning and AI, Operating Systems and the Internet, Data Structures and Algorithms, Object-Oriented Programming, Computer Systems, Web Development, Functional Programming
- Jumeirah College, *Dubai, UAE*

Sep 2021 - Aug 2023
- A-Levels

- Elected **House Captain & Year Council**
 - Winner of the **Annual School Hackathon**
 - Headed **Model United Nations & Debate**
 - Co-Headed **Machine Learning & AI Society**
 - Led a team to the **F1 in Schools STEM Challenge**
 - Placed **9th in National STEM Competition**
- GCSE's
- **Secured Grade A* in all subjects** (9-1 Scale)
 - Cambridge ICE: **Distinction**
 - Elected **Prefect** and **House Captain**
 - Headed **Model United Nations** and **Debate Club**
 - Represented the school at **MUN4INDIA 2019**
 - The Duke of Edinburgh's Award: **Bronze & Silver**

PROJECTS

- AI Sentiment Analysis Tool

July 2024
- **Developed** a **Python-based** tool leveraging **machine learning (NLTK, spaCy)** for real-time sentiment analysis, **achieving 85% accuracy**.
 - **Designed** a dashboard for real-time sentiment tracking using **Flask**, providing actionable insights for marketing.
- Wedding Services | Full-Stack Project

March 2024
- **Created** a **dynamic full-stack** website using **JavaScript** for an interactive front end and **PHP** for server-side management.
 - **Integrated** filtering features (price, distance) and location-based services using **Leaflet JS**, enhancing the user experience.
- Object Oriented Programming | Java Store Management

September 2023
- **Designed** an inventory management system with **Java**, utilizing **HashMaps** and **ArrayLists** for data organization.
 - Applied **Object-Oriented Programming (OOP)** principles such as **encapsulation** and **inheritance**, **improving modularity and operational efficiency by 25%**.
- Embedded Systems | Parking Management System

November 2023
- **Built** an automated parking management system using **Arduino** and **finite state machines (FSM)**.
 - **Enabled** efficient vehicle tracking and space allocation, **improving usability** and **reducing errors**.

TECHNICAL SKILLS		TRANSFERABLE SKILLS	
• Python	• SQL	• Time Management	• Research
• Java	• PHP	• Problem-Solving	• Public Speaking
• C / C++	• Agile Methods	• Leadership	• Attention to detail
• HTML / CSS	• Haskell	• Communication Skills	• Collaboration
• AI / ML	• Cloud Computing	• Negotiation	• Microsoft Tools