

Krish Naidu

Predicted grades: A*A*A*

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[Portfolio](#) | [linkedin.com](#) | [github.com](#)

Objective

Driven by a fascination with how smart systems work and the endless possibilities of technology, I'm a 17-year-old on a mission to master Artificial Intelligence and Computer Science. I'm actively building my skills in Python, HTML, JavaScript and CSS. Inspired by the potential for AI to solve complex, real-world challenges. I am passionate about applying strong analytical and problem-solving skills in team-oriented, agile environments, and continuously learning to drive innovation in financial services.

Education and Certifications

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| Capital City college , A-Levels | 2025 |
| <ul style="list-style-type: none">Studying Mathematics, Physics, Computer Science (predicted grades: A*A*A*) | |
| AWS Cloud Practitioner Essentials , , Amazon Web Services | 2024 |
| <ul style="list-style-type: none">Built foundational knowledge on cloud computing and its benefits.Gained hands-on practice with AWS Management Console, reinforcing practical understanding and built a continuous learning mindset.Developed a good understanding of AWS architecture and AWS Services such as EC2, S3 and Lambda. | |
| HarvardX | 2025 |
| <ul style="list-style-type: none">CS50's Introduction to Programming with PythonDeveloped practical programming skills in HTML, CSS, Python, and web development through hands-on projects and problem sets. | |
| Saylor Academy CS105 Introduction to Python | 2025 |
| <ul style="list-style-type: none">Mastered Python fundamentals, creating task management applications with clear logic and structured design, demonstrating a self-motivated, detail-oriented, and organised approach. | |

Projects

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| Personal Knowledge Genie | 2025 |
| <ul style="list-style-type: none">Developed a Personal Knowledge Genie using agentic AI, enabling dynamic, interactive responses tailored to individual learning needs.Implements the Retrieval-Augmented Generation (RAG) pattern to combine large language model capabilities with personalized knowledge retrieval, enhancing answer accuracy and demonstrating advanced problem decomposition.Leverages the open-source Langchain stack to orchestrate AI agents, document retrieval, and conversational interfaces for an adaptive, user-centric system. | |
| Personal Portfolio Website | 2025 |
| <ul style="list-style-type: none">Tech Stack: HTML, CSS, JavaScript, Bootstrap frameworkCreated a responsive portfolio website using HTML, CSS, and JavaScript, showcasing my technical skills and professional achievements as a curious, ambitious, and self-driven learner.Developed dynamic galleries and intuitive navigation, refining features based on feedback to ensure accessibility and user satisfaction, demonstrating a feedback-driven and adaptable mindset. | |
| Barclays Developer Programme | 2024 |
| <ul style="list-style-type: none">This program helped me web development skills and I used it to create a to-do list application that enables Barclays' internal teams to organise and better manage their workloads. | |

- Thought paper on new skills required in the Agentic AI era** 2025
- The article, on Skills Transformation in the Agentic AI Era, focuses on the critical need for mastering problem decomposition and integration skills to effectively collaborate with autonomous AI agents.
 - The research article highlights the importance of prompt engineering, context engineering and familiarity with generative and Agentic AI tools as essential capabilities for guiding AI systems.
 - The article also touched upon the importance of skilling students around Responsible AI - addressing challenges such as AI bias and hallucinations to ensure ethical AI usage.

Work experience

- Atos UK:Work Experience (1 week)** 2025
- Learned how Atos was using Generative AI (GenAI) and Agentic AI technologies.
 - Observed real-world projects that utilize LLMs such as Google Gemini and OpenAI.
 - Gained insights into the practical applications of AI in business settings.
- COOLGEEK Consulting Ltd: Summer Internship (2 months)** 2025
- Leveraged Generative AI (GenAI) and Agentic AI technologies to build innovative applications.
 - Evaluated GitHub Copilot agent mode and Gemini Code CLI tools.
 - Polished my skills in building web pages with HTML5, CSS (Bootstrap) and JS technologies.

Volunteering and Leadership

- Duke of Edinburgh's Award** 2025
- Engaged in community service and skill-building initiatives, demonstrating resilience, initiative, and fostering teamwork to achieve shared objectives.
 - Facilitated inclusive group discussions, ensuring diverse perspectives were valued and integrated into collective goals through empathy and open-mindedness.
 - Overcame expedition challenges through strategic problem-solving, maintaining composure and leading effectively in high-pressure situations with a positive attitude.
- Maths Challenge** Silver Award, National Mathematics Competition 2025
- Earned a Silver Award by solving complex mathematical problems with analytical precision, creative thinking, and innovative approaches.
 - Applied structured approaches to technical challenges, reflecting a passion for logical problem-solving and critical analysis with a growth mindset.
- Chess Club Host** 2024
- Organised and led weekly chess sessions, creating an inclusive environment that encouraged skill development and community engagement through reliable leadership.
 - Mentored participants with tailored guidance, fostering collaboration, promoting strategic thinking, and supporting individual growth in a respectful setting.