

Abdur Rehman Nasir

[github/arnasir-amcc](https://github.com/arnasir-amcc) | [linkedin/arnasir-amcc](https://linkedin.com/in/arnasir-amcc) | arnasir.uk | arnasir.amcc@outlook.com

Education

Goldsmiths University London, UK
M.Sc. Computational Cognitive Neuroscience Sep 2024 – Sep 2025

Middlesex University London, UK
B.Sc. Computer Science Sep 2020 – Jul 2024

Relevant Modules: Software Engineering and Management, Object Oriented Programming, Web Apps and Databases, Operating Systems and Computer Networks, Artificial Intelligence and Systems Engineering for Robotics

Undergraduate Teaching Assistant: Software Engineering and Management, Web Applications and Databases

Student Societies: Robotics Society (President), Artificial Intelligence Society (Member)

Portfolio

- **Website:** Coded in pure HTML/CSS and JavaScript, using Jira as project management tool and github as version control. Hosted on Github Pages.
- **Undergraduate Dissertation:** Graded 89% overall, 70+ pages - "Machine Perception: Investigating Visual Data Analysis through CNN Hand Gesture Recognition" [[Linkedin \(Section: Projects\)](#)].
- **Robotics Build:** Graded 83% overall, 60+ pages – "Stasis Engine" A novel design and physical build of a robotic mechanism designed to gradually decelerate a moving object's velocity to zero, simulating a surface with zero restitution [[Linkedin](#)].
- **Artificial Intelligence:** A Java algorithm developed from scratch, initiating with a greedy algorithm to establish bounds, then leveraging heuristic pruning to efficiently navigate the solution space of the TSP [[Linkedin](#)].

Work Experience

Student Learning Assistant, Middlesex University Sep 2023 – May 2024

- Taught C++, git, version control, Linux and assisted lecturers in environmental setup, management and marking of student work. Provided in-person and online assistance during scheduled university hours.
- Led sessions with up to 5 undergraduate students, providing in-depth support and extracurricular guidance.

Technical Skills

- Languages – Java, Python, C, C++, HTML/CSS.
- Technologies – Computer Vision, Machine Learning, Git, Linux, Data Structures, Algorithms, Arduino IDE, Soldering, Wiring