

Ahmed Ikram

Computer Science Student

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Online Portfolio: <https://ahmedikram05.github.io/Online-Portfolio> | **Github:** <https://github.com/ahmedikram05>

Personal Statement

Motivated and detail-oriented Computer Science student at the University of Dundee with a strong foundation in software development, artificial intelligence, and database systems. Proficient in Python, Java, and web technologies, with hands-on experience in version control and embedded systems like Raspberry Pi. Passionate about solving complex problems and developing innovative software solutions in collaborative environments. Seeking opportunities to apply my skills in real-world projects while continuously expanding my expertise in cutting-edge technologies.

Education

BSc (Hons) Computer Science

University of Dundee, Scotland

2023 - Present

- **Focus:** Software Development, Artificial Intelligence, Algorithms
- **Key Modules:** Software Engineering, Data Structures and Algorithms, Web Development, and Database Systems
- **Relevant Projects:** Developed a *Messaging Application* in Java and a *Version Control System* using Unix, showcasing my ability to work across software platforms.
- **Expected Graduation:** 2027

High School of Dundee, Scotland

2018 - 2023

- Achieved As in Higher Computing Science, Maths and English.
- **Advanced Higher Project:** Developed a Python-based *Ping Pong* game using Pygame, refining problem-solving and coding abilities through real-time application development.

Work Experience

Zulus Peri Peri Grill Dundee (Part-time)

June 2021 – September 2023

- Managed front desk operations, overseeing order processing, milkshake preparation, and support for delivery drivers.
- Took on a leadership role by training new employees and ensuring adherence to service standards.
- Coordinated order processing and delivery logistics, maintaining smooth operations in a high-paced environment.
- Demonstrated strong leadership, team management, and multitasking abilities.

Projects

Java Messaging Application Group Project ([GitHub: Repo](#))

- Developed a chat application with user profiles, chat management, and search functionality.
- Utilized Java and data structures (linked lists, arrays) for efficient performance.

Process Scheduler Terminal App ([GitHub: Repo](#))

- Implemented a terminal-based CPU process scheduler with multiple algorithms.
- Strengthened Python skills in system-level programming and CLI development.

Unix Version Control System Group Project ([GitHub: Repo](#))

- Built a version control system using Unix and shell scripting.
- Demonstrated expertise in Git, Bash scripting, and software lifecycle management.

Online Portfolio ([GitHub: Repo](#))

- I Created a personal portfolio using HTML, CSS, and JavaScript to better showcase my skills.
- Showcases projects and technical skills with a responsive, user-friendly design.

Certifications

AWS Academy Graduate - AWS Academy Cloud Foundations

2023 - 2024

- Hands-on experience with AWS services: EC2, S3, RDS, IAM, Elastic Beanstalk
- Deployed and managed scalable cloud infrastructure with auto-scaling and load balancing
- Gained knowledge in cloud security, cost optimization, and best practices

AWS Academy Graduate - AWS Academy Machine Learning

Jan 2025

- Learned machine learning fundamentals using AWS AI/ML tools (Amazon SageMaker)
- Hands-on experience with data preprocessing, model training, and evaluation
- Applied ML models to real-world scenarios in a cloud environment

Foundations of Azure Artificial Intelligence

Oct 2024

- Explored Azure AI services: Computer Vision, NLP, and Cognitive Services
- Implemented AI models in cloud-based applications
- Understood AI ethics and responsible deployment

Cloud Computing: Understanding Core Concepts

Oct 2024

- Covered key concepts: virtualization, networking, security, and cloud models (IaaS, PaaS, SaaS)
- Compared major cloud providers and their service offerings
- Strengthened theoretical foundation for cloud-based implementations

Technical Skills

- **Programming Languages:** Python, C, C++, Java
- **Web Development:** HTML, CSS, SQL, JavaScript
- **Embedded Systems:** Experience with microcontrollers, including Raspberry Pi
- **Version Control & CI/CD:** Proficient in Git, GitHub, familiar with CI/CD pipelines
- **Operating Systems:** Windows, Linux, MacOS

Soft Skills

- | | | | |
|-------------------|---------------------|-----------------------|----------------|
| ✓ Problem Solving | ✓ Agile Development | ✓ Attention to Detail | ✓ Teamwork |
| ✓ Communication | ✓ Time Management | ✓ Empathetic | ✓ Adaptability |
| ✓ Leadership | ✓ Critical Thinking | ✓ Creativity | ✓ Patience |