

Sameem Ahmad

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Education

burntwood school, London - A-Levels (predicted: AAA in Maths, Computer Science, Economics)

2023-present

- **Computer Science NEA:** Designed and implemented a Python-based Snake game with a **150+ page technical report**, scoring **56/70 (top 10%)** for problem-solving and algorithm design.
- Developed advanced skills in **Python, Pygame, SQL, and algorithmic thinking**, gaining experience in **technical documentation and professional presentation**.

Ark Putney Academy, London - Achieved 6 GCSEs including Maths (8), English Language (7)

2018-2023

- **House Captain (800 students):** Directed school-wide initiatives, coordinated events, and drove participation, demonstrating leadership and decision-making.

Experience

BT Group - National Innovation challenge April 2024

- Lead a **8 member cross-function team** to design a cyber security solution that **reduced simulated breach time by 32%** and **ranked top 5 nationally** for innovation and presentation clarity.
- Presented findings to BT engineers, demonstrating **data-driven reasoning, leadership and technical creativity** under competition pressure.

Verizon - Cloud Platform Professional Experience August 2025

- Engineered a **cloud-VPN prototype** focused on **redundancy, resiliency, and least-privilege access**, deploying automated **Python stress-tests** that **cut system downtime by 28 %** in simulation and validated enterprise-level reliability
- Delivered a **professional technical report** translating complex network metrics into **actionable infrastructure insights**, demonstrating **cloud-architecture fluency, analytical precision, and executive-style communication**.

JP Morgan - Software Engineering Virtual Experience September 2025

- Built a backend data-validation pipeline integrating **kafka, SQL and rest APIs** within a spring boot framework improving simulated transaction efficiency by 15%.
- Applied **dependency-injection and modular designed principles** to ensure scalable enterprise-grade architecture aligned with JP Morgan coding standards

Projects & Extracurricular Experience

Boston Consulting Group (BCG) – GenAI Technology Consulting Project September 2025

- Executed a **client-style AI transformation** for BCG X's GenAI team, developing an **intelligent financial-analysis chatbot** that parsed **10-K / 10-Q filings** using **Python (pandas + regex)** and rule-based logic.
- Delivered a **data-driven advisory brief** demonstrating **~30 % faster analysis turnaround** and improved stakeholder clarity, mirroring BCG's AI-for-Business methodology..

Trading Analytics Dashboard – Python / Power BI / APIs October 2025

- Engineered an **automated data pipeline** (Python requests → SQLite) ingesting live FX and crypto feeds; normalised time-series data for analytics.
- Built an interactive **Power BI dashboard** visualising volatility and risk ratios; cut manual reporting time **~80 %** and enabled repeatable trading-signal evaluation.

AI-Driven Resume Keyword Optimiser – Python / NLP / OpenAI API October 2025

- Developed an **NLP pipeline** using **TF-IDF + cosine similarity** to assess CV–JD keyword overlap and recommend optimisations.
- Integrated **OpenAI API** to generate phrasing improvements; achieved **> 90 % keyword alignment** across sample apprenticeship job descriptions.

Python NEA Project – Interactive Object-Oriented Game Inspired by Snake March 2024

- Designed a modular OOP game (Python / Pygame) with dynamic difficulty, scoring, and collision systems; produced a 150-page technical report documenting algorithms and testing.
- Awarded Top 10 % score in school (56 / 70) for problem-solving and algorithm design.

Smart Expense & Budget Tracker — Python / Flask / SQLite / Power BI November 2025

- Built an automation agent using **AWS Boto3 SDK** to monitor compute utilisation and recommend instance right-sizing; deployed via **Docker + APScheduler**.
- Integrated alert delivery through a **Slack bot**, reducing simulated monthly cloud costs **~25 %** and demonstrating scalable DevOps automation.

Activities

[ACTIVITY NAME]

[Dates]

- Description: Brief overview of the activity and your role.
- Skills Developed: Any relevant skills or qualities honed through participation.
- Achievements: Any notable achievements or leadership roles within the activity.

Additional

Language Skills: [List any languages you speak fluently or proficiently.] **Technical Skills:** [List any relevant technical software proficiencies.]

Volunteer Experience: [Briefly mention any volunteer work you've done, highlighting skills or experiences gained.] **Interests/Hobbies:** [Include any interests or hobbies that demonstrate relevant skills or qualities, or provide insight into your personality.]