Somaan Mirza

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PERSONAL STATEMENT

Business Information Systems graduate pursuing Advanced Computer Science with solid grounding in technical systems across multiple domains. Ability to document complex solutions clearly and apply analytical thinking to solve problems, demonstrated through project work spanning machine learning, computer vison, and cybersecurity. Enthusiastic to leverage this foundation in a dynamic, technology-focused role.

EDUCATION

Queen Mary University of London | *MSc Advanced Computer Science* **Expected Sept 2026**
- Key modules: Machine Learning, Security & Authentication, Bayesian Decision & Risk Analysis, Data Analytics, Functional programming

University of East Anglia | *BSc Business Information Systems – 2:1* **22/25**
- Key modules: Systems Engineering, Operations Strategy & Management, Data Science, Cyber Security
- Dissertation: "SecurityQuest: Gamified Cybersecurity Education Platform" – First Class Honours

The Priory School, Hitchin **13/20**
- A-Levels: Information Technology (D*), History (B), English Literature (C)
- GCSE: English Literature/Language (6|5), Mathematics (6), Science (7|6), Computer Science (6), History (6)

WORK EXPERIENCE

Hitchin Lavender Farm | *Assistant Manager* **20/25**
- Managing and scheduling a diverse team of 50 employees, fostering an inclusive environment
- Applied analytical thinking to workforce scheduling, reducing overtime costs by 10% through improved resource allocation
- Developed problem-solving skills managing complex operational challenges in fast-paced environment
- Collaborated with cross-functional teams to streamline operations and enhance service delivery standards

PROJECTS

SecurityQuest | *Full-Stack Cybersecurity Education Platform*
- Developed gamified cybersecurity education platform achieving 52.2% improvement in user security analytics through AI-powered personalised feedback
- Built user analytics using PERN stack with parameterised SQL queries, connection pooling, and structured API endpoints for seamless real-time progress tracking and performance analysis
- Achieved 100% pass rate across 326 test cases

Squash Hawkeye | *Computer Vision Line-Calling System*
- Engineered computer vision system with 82% accuracy using synchronised audio-visual processing
- Implemented synchronised audio-visual detection with automated decision algorithms

ACTIVITIES

Squash Club President | *University of East Anglia*
- Coordinated between treasurer, team captain, and university committee to ensure effective club operations
- Managed team dynamics and represented club interests to university committee

TECHNICAL SKILLS

Programming: JavaScript, Python, SQL, HTML/CSS, Java
Technologies: React, Node.js, Express.js, PostgreSQL, MongoDB, OpenCV, Jest
Tools: Git/GitHub, VS Code, RESTful APIs, Database Design, Unit/Integration Testing