Somaan Mirza MSc

+447443875073 | somaanm02@gmail.com | https://github.com/Somaan

PERSONAL STATEMENT

Business Information Systems graduate with full-stack development experience and demonstrated technical problem-solving capabilities. Experience developing projects involving machine learning, cybersecurity, and database systems through academic and personal work. Starting MSc Advanced Computer Science to deepen technical expertise. Seeking a software engineering role where I can contribute to meaningful projects while continuing to develop my professional skills in a collaborative manner.

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

PROJECTS

SecurityQuest | *Full-Stack Cybersecurity Education Platform*
- Developed web application using PERN stack achieving 52.2% improvement in user security knowledge
- Built RESTful API with user authentication, database integration, and real-time progress tracking
- 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
- Developed ball detection algorithms and automated decision-making using Python and OpenCV

WORK EXPERIENCE

Hitchin Lavender Farm | *Assistant Manager*   **20/25**
- Managed and scheduled a diverse team of 50 employees, collaborating across multiple teams to streamline operations and produce high-quality service delivery standards
- Applied analytical thinking to workforce scheduling, reducing overtime costs by 10% through improved resource allocation
- Developed systematic approaches to complex operational issues in fast-paced environment

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

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