Somaan Mirza

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PERSONAL STATEMENT

MSc Advanced Computer Science student driven by change and passion for pushing technological boundaries in high-impact environments. Demonstrated problem-solving mindset through developing cutting-edge cybersecurity and AI systems. Technical curiosity fuels exploration of new technologies, from data pipelines to security architecture. Proven ability to collaborate across teams and deliver innovative solutions under pressure. Eager to apply this passion for innovation to Mclaren's pursuit of automotive excellence.

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

University of East Anglia | *BSc Business Information Systems – 2:1*   **2022/2025**
- Key modules: Cyber Security, Networks, Data Science, Systems Engineering, Information Retrieval
- 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 through data-driven analysis
- Built RESTful APIs for secure user authentication using bcrypt password hashing, database integration, and real-time system monitoring
- Achieved 100% pass rate across 326 test cases covering unit and integration

Squash Hawkeye | *Computer Vision Line-Calling System*
- Engineered computer vision system with 82% accuracy using multi-sensor audio-visual processing for automated sports officiating
- Pioneered object detection algorithms and automated decision-making logic using Python and OpenCV

TECHNICAL SKILLS

Programming: JavaScript, Python, SQL, HTML/CSS, Java
Technologies: React, Node.js, Express.js, PostgreSQL, MongoDB, OpenCV, Jest

WORK EXPERIENCE

Hitchin Lavender Farm | *Assistant Manager*   **2020/2025**
- 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

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