# MOHAMMED UFRAAN

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## EDUCATION

**Bachelor of Engineering - CSE**, Lords Institute of Engineering & Technology — 2023 - 2027
Acquired foundational skills in AutoCAD 3D and C programming; independently advanced to master memory management, utility development, and driver writing.

**Intermediate Education - PMC**, Narayana Junior College — 2021 - 2023
Acquired strong problem-solving abilities in algebra, along with proficient skills in Android development.

**Secondary Education - CBSE**, Delhi Public School — 2010 - 2021
Developed a strong foundation in robotics using Arduino and IoT, achieving 8th place nationally in the NITI Aayog Atal Tinkering 2020 competition.

## SKILLS

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| **Cybersecurity** | Ethical Hacking, Network Security, Vulnerability Assessment |
| **Languages** | Python, JavaScript, C++, C, Bash, Java, SQL, HTML/CSS, PHP |
| **Development** | MongoDB, Express.js, React.js, Node.js, TypeScript, RESTful APIs, Docker, Kubernetes |

## EXPERIENCE

**Web Development Lead** — Jul 2023 - Jun 2024
Google Developer Student Clubs LIET — *Apprenticeship*

- Developed and implemented React and JavaScript-based web solutions.
- Authored technical and non-technical documentation.
- Oversaw a team of graphic designers, enhancing communication and project efficiency.

**Public Relations Lead** — Apr 2024 - Present
Microsoft Students Club LIET — *Apprenticeship*

- Facilitated communication between the club and students, enhancing engagement.
- Leveraged BETA level **Microsoft Learn Student Ambassador** experience to build professional relationships.

## PROJECTS

**Vulnerability Assessment and Mitigation.** Developed a comprehensive vulnerability assessment and penetration testing project using industry-standard tools (Nmap, Metasploit, Burp Suite) to identify and exploit security flaws in a simulated network environment. Implemented mitigations, documented findings, and provided actionable security recommendations to enhance system resilience.

**Network Threat Detection and Response.** Conducted advanced network monitoring and threat detection using IDS/IPS tools (Snort, Suricata) to analyze traffic patterns, identify potential intrusions, and implement real-time security measures.

**Secure Authentication Implementation.** Implemented secure authentication and authorization mechanisms in a web application using OAuth 2.0 and JWT, ensuring compliance with OWASP security standards.

## EXTRA-CURRICULAR ACTIVITIES

- Actively organized and led conferences and seminars on full-stack web development and cyber security as a [Microsoft Student Ambassador](#).
- Placed in the top 10 teams at a hackathon for creating a blockchain-based web app that improves charity transparency and fund management. The project uses Solidity, MetaMask, and Node.js to ensure secure and accessible transactions. View on Github [here](#).