

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

Cybersecurity	Ethical Hacking, Network Security, Vulnerability Assessment
Languages	Python, JavaScript, C++
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](#).