

NASIM RAFIK KHAN

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EDUCATION:

University of Mumbai:

Bachelor of Computer Engineering

August 2021 - July 2025 (expected)

ST.Paul's College of Arts, Science & Commerce:

HSC (XII standard)

August 2020 - May 2021

QUALIFICATIONS & CERTIFICATIONS: (Google, Microsoft, IBM,AWS, Coursera)

August 2021 - June 2024

AWS, Cyber Security, Certified Python Developer, Automation Using Python, OS Security, Azure, Network Security & DB Vulnerability, System Administrations, Hands on experience with GCS, AWS and Azure Cloud with lab exercises.

TECHNICAL SKILLS:

Programming Languages: Python, Java, JavaScript, C, C++, Shell Scripting, Bash, HTML, CSS, Js, SQL.

Software Skills: OS: Kali, Windows, Ubuntu LTS (WSL)

Programming Skills: Coding Programs, Cloud Computing, Cyber Security, VAPT, Networking, Cloud Integration, Bash Script. Cloud Instances,

Tools: GCS, Azure, VScode, AWS, Pycharm, Sublime, Powershell, AHK, GitLabs, GitBash, GitHub, Codespaces, Wireshark.

EXPERIENCE:

NECXIS | SDE | Systems Programming |

November 2024 – February 2025

Developed an Intellectual Property (IP) Security Guard program using C for real-time file monitoring, folder access control, and high-level OS modifications. Integrated server-based access verification to restrict and delete protected folders, bypassing Windows security restrictions. Automated 24/7 background operations with AHK scripts to ensure continuous functionality.

T7 SECURITES | SDE-1 Software Developer |

September 2024 - November 2024

Developed a Streamlit-based website using GitHub Codespaces, linked with Firebase, Firestore, and Google Cloud for seamless database operations. Managed the website's full development, database integration, and user data security to ensure smooth functionality and reliability.

PUBLISHED RESEARCH PAPER: AI Integration in Multi-Model Systems:

April 2025

In the published paper I was the primary author contributing towards the development of the project and coming out with the strategy of how the project can be made followed by the study on how APIs and API keys can be leveraged to create complex AI models with proficiency and we were successful in creating the project finding the optimal solution for implementing the API key into the environment. I contributed in major part of selecting the libraries and open source software solutions for the paper research as well as creating program available for the development of the project.

PROJECTS AND WORKS: Network scanners, Ai-Chatbots, Firebase Based Admin login, Buffer-over Flow worm, Access Restriction Applications, Ai model for speech-based & Image Recognition, System-Monitoring Program, File Navigation System and various projects involving some major projects where I had to work along with colleagues and team members and students from colleges. The major projects involve Face Recognition using OpenCV, Advanced AI assistant using generative AI followed by other projects I got to contribute on when I was doing internships & Certifications. Deployed cloud instances using Dashboard as well as CLI of Google Clouds, AWS, Microsoft Azure, configuring hardware and firewalls along with OS software configuration and using different products like standard VMs.
