

Muhammad Farooq

Software Engineer

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SUMMARY

A Computer Science Graduate from NUST Islamabad, interested in Cyber Security and Machine Learning. having strong technical, analytical and problem solving skills.

EDUCATION

- **National University of Science and Technology (NUST)** Islamabad, Pakistan
Bachelor's in Computer Science Oct 2020 – May 2024

WORK EXPERIENCE

- **JFreaks Software Solutions** Jun 2024 - Present
Software Engineer Full Time
 - **Tweetstorm**: A web app and browser extension to generate AI based tweet replies.
Skills-utilized: Next JS, stripe, Prisma, MySQL, TypeScript, Tailwind
 - **APIFreaks**: A centralized web app to manage all other products of the company
Skills-utilized: Next JS, stripe, Prisma, MySQL, TypeScript, Tailwind
- **Bitnine Global Inc** Mar 2023 - Aug 2023
Software Engineer intern Internship
 - **AGEDB Cloud**: Cloud version of Apache AGE, an open source graph database built upon PostgreSQL.
Skills-utilized: NodeJS, React, JavaScript, and Apache-AGE,
Contact: Kyungwon Jeon - kwjeon@bitnine.net

FINAL YEAR PROJECT

- **CyberShield - ML based Network Flow Control Using Packet Header** (Sep 2023 - Present)
Cyber Shield is Machine Learning based Network Flow control using packet header information built on top of Linux kernel. Analyzing packet header information for real time threat detection
 - Machine Learning model decides whether the packet is Malicious or Normal
 - Empowered users to manually block and unblock websites, augmenting the Machine Learning model's decision-making.
 - All the IP addresses and domain names of a website are blocked if decided by ML Model or User**Tools Used**: TensorFlow, NfStream, Scapy, Python, Flask, Linux

PERSONAL PROJECTS

- **BiteBlitz: A Dynamic Food Ordering Website** (Mar 2023 - Present)
Designed and developed a completely responsive and Dynamic food ordering website using the MERN stack
Tools Used: MongoDB, React, Express
- **DutyDraft: A Task Manager App in Flask** (Sep 2023 - Oct 2023)
Developed a Flask-based CRUD application with SQLite database, demonstrating proficiency in Python and Flask.
Tools Used: Python, Flask, SQLite
- **GUI based Car Parking game using SFML C++** (Apr 2021 - May 2021)
Developed 2D car parking game using C++ and SFML library as my 2nd semester project
Tools Used: C++, SFML

SKILLS

- **Soft Skills**: MultiTasking, Collaboration, Problem Solving, Communication, Time Management
- **Programming Languages**: C/C++, Python, Java, JavaScript, TypeScript, bash scripting
- **Tools**: Git, Unity, Blender, VS Code, Linux, Postman
- **Web Development**: HTML, CSS, Tailwind, NodeJs, TypeScript, React JS, Next JS, PHP, MySQL Flask,.

CERTIFICATIONS

- **Networking Essentials** by CISCO Networking Academy