



# Rehan Ramzan

*Software Engineer*

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## SUMMARY

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Motivated software engineer with a passion for innovation. Seeking opportunities to apply technical expertise and entrepreneurial spirit.

## EDUCATION

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- **National University of Science and Technology (NUST)** Islamabad, Pakistan  
*Bachelor in Software Engineering* Sep, 2020 – May, 2024
  - **Courses:** DSA, Design and Analysis of Algorithms, Software Engineering, Operating Systems, Database Systems, Computer Architecture and Organization, Computer Networks, Web Development

## WORK EXPERIENCE

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- **Walee NUST** Islamabad  
*Software Engineer Intern* Dec, 2023 - Feb, 2024
  - **Role:** Gained hands-on experience with various technologies. Designed and implemented a complete web software solution using React.js, Node.js, Express.js, MongoDB, AJAX, and JSON data.
  - **Skills-utilized:** React.js, Node.js, Express.js, Tailwind CSS, Ajax, Material UI, MongoDB
  - **Contact:** Mehdi Hussain - mehdi.hussain@seecs.edu.pk
- **Flower Station** United Kingdom  
*Associate Software Engineer* Jun, 2023 - Aug, 2023
  - **Role:** Implemented new Shopify webpages based on Figma designs, translating them into functional web solutions using HTML, CSS, and JavaScript. Collaborated with internal teams to ensure clean, maintainable code and troubleshooted issues during development.
  - **Skills-utilized:** HTML5, CSS3, Bootstrap, JavaScript, Shopify
  - **Contact:** Anum Zehra - anum@flowestation.co.uk
- **ThyReality** Islamabad  
*Associate Software Engineer* July, 2024 - Oct, 2024
  - **Role:** Working as an Associate Software Engineer, developing and maintaining web and mobile applications. Utilizing modern technologies to create efficient and scalable solutions.
  - **Role:** Working as an Associate Software Engineer, developing and maintaining web and mobile applications. Utilizing modern technologies to create efficient and scalable solutions.
  - **Skills-utilized:** React.js, Next.js, React Native, Nest.js, Tailwind CSS, PostgreSQL
  - **Contact:** Feroz Tariq - feroz.tariq212@icloud.com

## FINAL YEAR PROJECT

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- **Network Flow Control Using Packet Header Information (08/2023 - 5/2024):** Detect incoming network traffic. Utilize information from packet headers. Implement machine learning techniques to automatically block specific IP addresses and domains. Create a custom firewall to prevent unwanted incoming network traffic.
- **Tools Used:** HTML5, CSS3, Javascript, Flask, TensorFlow, IPtables, NFStream, Scappy, SQLite

## PERSONAL PROJECTS

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- **Nust Medical Center:** Desktop application built using JavaFX and MySQL Database for managing various activities within a medical center. Features include patient management, appointment scheduling, patient records, prescription management, custom reports, and inventory management.
- **IMDB Movie Database Project:** Developed a desktop application in C++ focusing on data structures and algorithms. The project involved managing and querying the IMDB movie database, implementing custom data structures for efficient storage and retrieval of movie information, and optimizing search algorithms for quick data access.
- **Mens ERA Website:** E-commerce platform developed using HTML5, CSS3, JavaScript, Node.js, Express.js, MongoDB, and EJS template engine. Features include product catalog display, cart management, order processing, responsive design, secure user authentication, and dynamic rendering.

## THYREALITY PROJECTS

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- **ThyReality Website:** Developed web application using Next.js for ThyReality Ltd. Responsible for implementing responsive design and integrating back-end services. The site is live at [thyreality.com](https://thyreality.com).
- **TaxisPlus Mobile App:** Worked on TaxisPlus, a ride-sharing mobile application using React Native. The app is currently operational in testing mode in Sydney, Australia.

## SKILLS

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- **Languages:** C++, JavaScript, Java
- **Web Development:** HTML5, CSS3, Javascript, React.js, Next.js, Node.js, Nest.js
- **Mobile App Development:** React Native
- **Tools:** Git and GitHub, Colab, Jupyter Notebook VS Code, Linux
- **Databases:** MySQL, MongoDB, PostgreSQL
- **Soft-Skills:** Problem-solving, Leadership, Teamwork, Time management, Agile software development

## LANGUAGES

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- **English:** Professional Working Proficiency
- **Sindhi:** Native or Bilingual Proficiency
- **Urdu:** Full Professional Proficiency