Eraj Tanweer

Karachi, Pakistan | tanweer4503065@cloud.neduet.edu.pk | 0333-2162005 | [LinkedIn](#) | [GitHub](#)

EDUCATION

NED University of Engineering and Technology   **Karachi, Pakistan**
B.E. in Software Engineering   *June 2026, May 2022*
- o **Concentrations:** Artificial Intelligence and Web Development **CGPA:** 3.83/4.00
- o **Related Coursework:** Data Structures & Algorithms, Object-Oriented Programming, Web Engineering, Database Management Systems

EXPERIENCE

Quality Enhancement Cell – NED   **Karachi, Pakistan**
Backend Intern - NodeJS   *Feb 2024 –June 2024*
- Worked on projects using NodeJS and ExpressJS.
- Worked on creating an automation of the workflow carried out at QEC in the form of a portal.

Headstarter AI   **New York, USA**
Software Engineering Fellow   *July 2024 – September 2024*
- Worked on projects using ReactJS, NextJS, Ollama AI, ChatGPT API, and machine learning.
- Participated in sessions with engineers from Google, Y Combinator, Stanford, Amazon, and startups.

Jinnah Lincoln Foundation   **New York, USA**
Machine Learning Intern   *Sept 2023 – Dec 2023*
- Gained practical experience in the field of machine learning and data science through an internship at JLF.
- Assisted with various data science tasks, including data analysis, model development, and project implementation.

EvantageSoft Private Limited   **Karachi, Pakistan**
Java Springboot Intern   *August 2023 – September 2023*
- Gained hands-on experience in Java development by creating APIs using Spring Boot.
- This internship at EVS provided valuable insights into the software development lifecycle and API design principles.

PROJECTS

Quality Management System
- Developed a QMS web application using Node.js, Express.js, React.js, and MySQL, enhancing educational quality and consistency, benefiting 100+ faculty members.

NFL Big Data Bowl 2024
- Built machine learning models (regression, deep learning) to analyze NFL data from 9 weeks, creating metrics for tackling efficiency and improving predictive accuracy by 15%.

Disease Detection System
- Developed a CNN-based system in Python to analyze 1,000+ chest X-rays, achieving 92% accuracy in detecting pneumonia and tuberculosis.

AI-Powered Resume Matching and Cover Letter Generation
- Created a Next.js application leveraging OLlama and LLMs to match resumes with job descriptions, increasing the relevance of matched profiles by 80%.

Flashcard Generator with Llama Model
- Built a flashcard generator using Next.js and Firebase, enabling secure storage and retrieval for over 500 flashcards with user authentication.

Velora – A complete health platform
- Created a website that accumulates features like exercise planner, meal planner and recipe generator, having all options in one place.

ACTIVITIES AND LEADERSHIP

Software Innovators Club   **Karachi, Pakistan**
President   *October 2023 – Current*
- Leader of an organization of 50+ members, hosting multiple events under the Software Engineering Department, managing a board of executives, and reaching out to the industry professionals for different sponsorships and industry related events

SKILLS

Programming: Java, Python, JavaScript, HTML/CSS, SQL, Node.js, React.js, C++, AI/ML/DL in Python
Tools: Visual Studio, IntelliJ, PyCharm, Azure, Jupyter Notebooks, Git, Bootstrap, Spring Boot, Agile