

# RADIA RIAZ

S T U D E N T

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Rawalpindi, Pakistan

## PROFILE

Dynamic and ambitious fourth-year Software Engineering student with a passion for coding and problem-solving. Eager to apply theoretical knowledge and practical skills in a professional environment. Seeking opportunities to enhance proficiency in software development and contribute to innovative projects.

## EDUCATION

### MCS, NUST

Bachelors in Software Engineering

Cumulative GPA **3.88/4.0**

2022-2026

### F.SC (PRE-ENGINEERING)

Army Public School ( **95.7 %** )

2020-2022

### MATRIC (SCIENCE)

SLS High School ( **98.7 %** )

2018-2020

## RELEVANT COURSEWORK

- Object-Oriented Programming
- Data Structures and Algorithms
- Database Management Systems
- Software Development Lifecycle
- Network Security
- Internet of Things
- Computer Networks
- Software Project Management

## PROJECTS

- Netflix Clone:** A ReactJS and TailwindCSS-based streaming platform with TMDb API integration, multilingual support (English, French, Spanish, German), and Stripe-powered subscriptions. Features include search, filtering, watch history, and a MongoDB Cluster backend deployed on AWS. Premium users enjoy ad-free, seamless streaming.
- IoT-Based LPG Gas Detection System:** A smart gas leakage detection and prevention system using sensors to monitor real-time gas levels on an LCD. Sends instant mobile alerts for hazardous levels and automates safety measures like activating an exhaust fan, shutting off the gas valve, and triggering a buzzer. A vibration sensor detects tampering or gas theft, enhancing safety.
- Hostel Finder System:** Engineered a JavaFX application with MVC architecture, comprising client, manager, and admin modules, utilizing MySQL database and visual aids like graphs and pie charts
- Recipe Master Clone:** Built with React Native & Expo featuring light/dark themes, Clerk auth with 6-digit email verification, and smooth recipe browsing with YouTube tutorials, favorites, and category filters. Backend on Express.js + PostgreSQL (Neon). Added AI support via Gemini API for recipe-related queries.

## SKILLS

### TECHNICAL SKILLS

- Programming Languages:** Java, C++, Python,
- Web Development:** MERN Stack
- App Development:** React-Native Expo
- Databases & Tools:** MySQL, MongoDB,
- PostgreSQL Jupyter Notebook, Proteus

### OTHER SKILLS

- Level 1 proficiency in German language
- Strong problem-solving and analytical skills
- Proficient at using Canva for graphic design and visual content creation.