

## Haris Tahir Rana

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### Education

#### Lahore University of Management Sciences

BSc (Hons.) in Computer Science

Cumulative GPA 3.37/4.0

Relevant Coursework: Data Science, Databases, Deep Learning, Generative AI, Software Engineering

Lahore, Punjab

Expected July 2026

#### Lahore Grammar School (Johar Town Campus)

A-Level - 3 A\* 1 B; SAT Score 1510

Lahore, Punjab

May 2022

### Experience

#### ROZEE.PK

##### Web Developer Intern

Lahore, Punjab

Jul 2024 – Aug 2024

- Built a voice-enabled WhatsApp bot using Node.js and JavaScript that guided users through CV creation by asking questions via voice and processing multilingual voice responses
- Used OpenAI and Azure Speech APIs for real-time voice-to-text and language translation, enabling inclusive access for users with limited literacy
- Developed a separate chatbot-based CV builder using simple text messaging, integrated with Rozee.pk's platform via Laravel (PHP), to make resume creation intuitive and accessible for all users

### Projects

#### HEALTHSYNC

*Technologies: React Native, Django, MongoDB, Deepseek API*

Jan 2025 – May 2025

- Led a team of five in developing *HealthSync*, a full-stack mobile application connecting patients and doctors directly, eliminating third-party intermediaries
- Built end-to-end features including appointment booking, real-time chat, AI chatbot integration, and automated email notifications using React Native, Django, and MongoDB

#### TUBERCULOSIS DETECTION

*Technologies: Pytorch, Scikit-Learn CNNs, Vision Transformers*

Mar 2025 – May 2025

- Developed a multi-phase pipeline combining UNet++ for lung segmentation and SEResNet50 for Tuberculosis classification on chest X-rays, achieving greater than 99% classification accuracy
- Integrated and evaluated CNN and Vision Transformer architectures using GradCAM++ visualizations and medical imaging datasets, showcasing robust performance and model interpretability

#### TEXT CLASSIFICATION

*Technologies: Pytorch, Scikit-Learn, Web Scraping*

Oct 2024 – Dec 2024

- Developed a pipeline for classifying Urdu-language news articles into five categories (entertainment, business, sports, technology, and international) using scraped data from prominent Urdu news websites
- Implemented and compared three supervised learning models (Multinomial Naive Bayes, Logistic Regression, and Neural Networks), achieving a peak accuracy of 97.45% with the Neural Network model

### Leadership and Activities

#### FINTRA-LUMS

##### Researcher

Lahore, Punjab

Sep 2023 – May 2024

- Wrote a research article in the finance magazine, outlining how government-mandated social welfare schemes benefit the people and the country

#### LAHORE GRAMMAR SCHOOL

##### Student Council Prefect

Lahore, Punjab

Sep 2021 – May 2022

- Managed and supervised major school events including Society Fairs, Inter-School Competitions and Sports Fests

### Skills & Interests

**Technical:** Python, JavaScript, HTML, Power BI, SQL, Stata, Git, Pytorch, Scikit-Learn

**Certifications:** Power BI (Datacamp); Data Analytics Essentials (Cisco); AI Fundamentals (IBM)

**Language:** Fluent in English, Urdu; Limited Proficiency in Arabic, Turkish

**Interests:** Cricket, Poetry, Travelling, Geopolitics, History