

# Ahmed Raza

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## SUMMARY

Motivated and detail-oriented Computer Science undergraduate with hands-on experience in Python and Object Oriented Programming (OOP) skills, front-end development, machine learning, and natural language processing. Proven ability to build and deploy real-world AI/ML projects, including sentiment analysis tools and predictive models. Skilled in modern web technologies like Angular, along with strong Python proficiency for data-driven applications. Adept at problem-solving, fast learning, and collaborating within cross-functional teams. Actively seeking opportunities to apply technical skills to impactful software and AI solutions.

## EXPERIENCE

### Development Intern

CSIT Department - NED

January 2025 - Present, Karachi

- Collaborated with the department's tech team to develop and maintain internal web applications.
- Focused on front-end development using **Angular** and **MySQL** for dynamic and responsive interfaces.
- Assisted in improving user experience and optimizing UI performance for internal platforms.
- Participated in code reviews, testing, and documentation to ensure high-quality deliverables.

### AI/ML Intern

NCL - NED

June 2025 - August 2025, Karachi

- Developed multiple machine learning projects, including **Customer Churn Prediction** and **Loan Approval Predictor**.
- Built and deployed **NLP-based applications** such as a **Music Sentiment Analysis Tool** and the **Resume Analysis Hub**.
- Applied techniques like feature engineering, model evaluation, and performance optimization across various datasets.
- Collaborated with cross-functional teams to integrate models into user-friendly interfaces and dashboards.

## PROJECTS

### Resume Analysis Hub – AI-Powered Resume & JD Matching Tool

[github.com/ahmed2402/Resume-Analysis-Hub.git](https://github.com/ahmed2402/Resume-Analysis-Hub.git)

- Built an AI-powered tool using **NLP techniques** to evaluate how well a resume matches a given job description.
- Integrated **Gemini API** to generate synthetic resumes and job descriptions, and provide insights to improve resume scores.
- Enabled users to upload resumes and JDs in text format for **real-time comparison and scoring**.
- Designed to help job seekers align their resumes with target roles and increase hiring potential.

### Loan Prediction System

[github.com/ahmed2402/Loan-Prediction.git](https://github.com/ahmed2402/Loan-Prediction.git)

- Developed a machine learning model to predict loan approval status based on applicant details.
- Utilized classification algorithms like **Logistic Regression**, **Random Forest**, and **XGBoost** for high accuracy.
- Performed **data preprocessing**, including handling missing values and encoding categorical variables.
- Built a user-friendly interface to input applicant data and display real-time predictions.
- Aimed to assist financial institutions in making faster and data-driven loan decisions.

### AdminX – Admin Dashboard Solution

[github.com/ahmed2402/AdminX-Angular.git](https://github.com/ahmed2402/AdminX-Angular.git)

- Built a full-featured admin dashboard using **Angular** with **CRUD operations** for clients, employees, and projects.
- Implemented authentication, data validation, and a clean, user-friendly UI for efficient management.

## SoilSense – Smart Agriculture Web App

[github.com/ahmed2402/SoilSense-Angular.git](https://github.com/ahmed2402/SoilSense-Angular.git)

- Built a smart agriculture platform using **Angular** to deliver soil health analysis through real-time data visualization.
  - Designed an interactive and intuitive UI to assist farmers and agronomists in making informed decisions.
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## CERTIFICATIONS

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### Artificial Intelligence (Machine Learning; Deep Learning; Communication)

NAVTC

### Certified Data Scientist

People's IT Program (PITP) • 2025

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## SKILLS

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**Core Programming & OOP:** Python (Strong OOP Principles)

**Frontend Development:** Angular, HTML, CSS, JavaScript, TypeScript, Tailwind CSS

**Backend Development :** Flask, MySQL

**Data Science & Machine Learning:** Python, NumPy, Pandas, Seaborn, Matplotlib, Scikit-learn, PyCaret, OpenCV, Streamlit

**Tools & Platforms:** Git, GitHub , Github Copilot, Cursor

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## EDUCATION

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### Bachelor of Science in Computer Science and Information Technology

NED University • Karachi • 3.93 GPA

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