

# Muhammad Ahmad Nadeem

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github.com/ahmad-nadeem-official | Portfolio Website

## EDUCATION

<b>University of Punjab</b> Bachelor of Science in Information Technology, CGPA: 2.92 / 4.0	Oct 2023 – Feb 2027
<b>Govt Associate College for Boys</b> Faculty of Science, Marks: 61%	Nov 2020 – Jun 2022

## WORK EXPERIENCE

<b>Independent Freelancer — Freelance Work</b> – Built RAG pipeline using TinyLlama and LangChain, processing 10K+ document chunks with 95% retrieval accuracy. [GitHub] – Developed video object detection system using YOLOv8n for surveillance (90% accuracy, 30fps). [GitHub] – Fine-tuned microsoft/phi-2 LLM using QLoRA, reducing memory usage by 60%, enabling accurate generation. [GitHub] – Wrote documentation and delivered training, reducing onboarding time by 50%.	Dec 2023 – Present
<b>Open Source Contributor — OpenFoodFacts-AI</b> – Developed OCR extractor using PaddleOCR with Gemini AI for food label text extraction. – Achieved 20% higher accuracy over Tesseract in multilingual image OCR. – Integrated Gemini AI for 95% accurate English translations. – Improved community onboarding time by contributing modular code and notebooks.	Jan 2025 – Present
<b>Customer Support Representative — Mindbridge Pvt Ltd</b> – Supported Uber Eats customers in EMEA region, maintaining response quality across high ticket volume. – Developed foundational skills in structured data, ticket tracking, and internal documentation. – Improved team knowledge base and documented common solutions.	Nov 2022 – Dec 2023

## PROJECTS

<b>ML Studio</b> – <i>Streamlit, Scikit-learn, Optuna</i> [Live Demo] – No-code ML platform for EDA, model training, and hyperparameter tuning using Optuna. – Supports model comparison and dynamic visualization with real-time feedback.	Apr 2025 – Present
<b>InsightX</b> – <i>Streamlit, Plotly, Pandas, Scikit-learn</i> [Live Demo] – Automated EDA system processing 250K+ rows in $\mu$ s with optimized pipelines. – Dynamic UI with correlation heatmaps, scatter plots, and smart missing value alerts.	May 2025 – Present
<b>AI Resume Analyzer</b> – <i>Gemini API, Streamlit, PyMuPDF</i> [Live Demo] – Extracted resume data (15+ fields) and matched to job descriptions using Gemini-1.5. – Enabled HR teams to filter candidates by AI score, reducing screening time by 80%.	Apr 2025 – Present
<b>Automated EDA CLI Tool</b> – <i>Pandas, Seaborn, Scikit-learn</i> [Colab Notebook] – Engineered command-line based full EDA tool with feature engineering, imputation, and scaling. – Exported cleaned and processed datasets with automated visual and statistical reports.	May 2025 – Present

## TECHNICAL SKILLS

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- **Languages:** Python, SQL (PostgreSQL, MySQL), R, JavaScript, Bash
- **Libraries:** pandas, NumPy, scikit-learn, Matplotlib, Seaborn, XGBoost
- **ML/DL:** TensorFlow, PyTorch, Keras, HuggingFace Transformers, OpenCV, NLTK
- **Frameworks:** Flask, Streamlit, React.js
- **Tools:** Git, Docker, VS Code, Jupyter, Google Colab, GitHub Actions
- **Cloud/Databases:** AWS EC2, PostgreSQL, MySQL
- **MLOps/Deployment:** Docker, Streamlit Cloud, Render, Vercel