HADI K P

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PROFILE SUMMARY

I am an MCA graduate with a Bachelor's degree in Mathematics and UGC-NET qualification in Computer Science. Experience in data preprocessing, exploratory data analysis, feature engineering, and predictive modeling. Proficient in Python, SQL, machine learning frameworks, and statistical analysis, with project work in deep learning, NLP-based systems, and data-driven applications.

EDUCATION

Master of Computer Applications (MCA)   **2025**
Rajiv Gandhi Institute of Technology, Kottayam
CGPA: 7.95/10

Bachelor of Science (Mathematics)   **2023**
Sullamussalam Arts and Science College, Areekode
CGPA: 7.1/10

Higher Secondary Education (Plus Two)   **2020**
Kerala Board of Public Examination
Percentage: 88%

Secondary School Leaving Certificate (SSLC)   **2018**
Kerala Board of Public Examination
Percentage: 100%

EXPERIENCE

Data Science Intern   **Jul 2025 – Dec 2025**
Sabudh Foundation, Punjab (Remote)

- Contributed to applied data science and machine learning tasks involving Python, SQL, and natural language processing
- Supported the design and development of the AI for Education project, an AI-driven resume and job description analysis platform for evaluating career readiness
- Coordinated team activities and communication as Team Representative, supporting timely execution of project deliverables

SKILLS

Programming Languages: Python, SQL, C, HTML, CSS
Machine Learning: TensorFlow, PyTorch, Scikit-learn, XGBoost, LightGBM, Regression, Classification
Data Analysis: Pandas, NumPy, Data Preprocessing, Exploratory Data Analysis, Feature Engineering, Statistical Analysis, Model Evaluation
Data Visualization: Matplotlib, Seaborn
Databases: MySQL
Frameworks and Tools: Flask, Dataiku, GitHub, Jupyter Notebook, LangChain

PROJECTS

AI for Education — ATS Scoring and Evaluation
Python, Google Gemini (LLM), Streamlit, ATS Scoring Logic, Web Scraping

- Built an end-to-end system to analyze resumes and job descriptions and assess career readiness.
- Implemented LLM-based parsing using Google Gemini to extract structured information including skills, tools, certifications, education, and experience.
- Designed an ATS scoring logic to evaluate alignment between resumes and job requirements and identify matched and missing skills.
- Developed logic to assess resume structure, content completeness, and ATS parseability and generate a detailed PDF analysis report.
- Integrated a course recommendation module that maps identified skill gaps to relevant online courses using real-time web scraping.
- Built a Streamlit interface for resume upload, job description input, interactive score breakdowns, and downloadable reports.

Image Colorization using Generative Adversarial Networks
PyTorch, TensorFlow, NumPy, PIL, scikit-image

- Implemented a GAN-based architecture for grayscale-to-color image translation using a generator–discriminator framework.
- Applied UNet-GAN with skip connections and ResNet-18 transfer learning for feature extraction and edge preservation.
- Evaluated model performance using PSNR and SSIM image quality metrics.

Personal Finance Management System
Flask, MySQL, Chart.js, Python, Pandas

- Developed a full-stack web application with a MySQL backend for income, expense, and tax tracking.
- Implemented automated budget threshold alerts and tax calculations based on transaction categorization.
- Built interactive dashboards using Chart.js to visualize spending patterns and financial trends.

Podcast Listening Time Prediction
Python, XGBoost, LightGBM, Pandas, Scikit-learn | Kaggle Competition

- Built regression models to predict podcast listening duration, achieving 5th position among 15 participants.
- Conducted exploratory data analysis including distribution analysis, correlation studies, and outlier detection.
- Implemented gradient boosting models optimized to minimize RMSE on the validation set.

CERTIFICATIONS

- Python for Data Science, AI and Development — IBM (Coursera)   Jun 2024
- Database Management System — IIT Kharagpur (NPTEL)   Apr 2024
- Kaggle Machine Learning Certifications (Introductory and Intermediate Levels)   Jun 2024
- Dataiku Professional Certifications (Core Designer, Advanced Designer, ML Practitioner, MLOps Practitioner, Generative AI Practitioner, Developer) — Dataiku Academy   Nov 2025

ACHIEVEMENTS

- UGC NET qualified for Assistant Professor in Computer Science