Akshay Kumar T

Bachelor of Technology
Artificial Intelligence and Data Science
Annai mira college of engineering and technology,Ranipet

+91-9025066486
akshaytoni99@gmail.com
linkedin
github

OBJECTIVE

Aspiring Data Scientist with a strong foundation in machine learning, data analysis, and statistical modeling. Proficient in Python, SQL, and data visualization tools. Passionate about transforming data into actionable insights to drive business growth. Seeking an opportunity to apply my analytical skills and problem-solving abilities in a dynamic environment.

EXPERIENCE

- **Pantech solution [🌐]** — *Jan'24-Apr'24*
  Data Analyst — Chennai,Tamilnadu
  ∘ Assisted in data collection, cleaning, and analysis to identify business insights. Created dashboards and reports with use of Excel and PowerBI

- **SLA [🌐]** — *Mar'25-Present*
  Data Science — Chennai,Tamilnadu
  ∘ Assisted in data collection, cleaning, and preprocessing to build reliable datasets for machine learning models. Performed exploratory data analysis and statistical modeling to uncover patterns and insights. Developed predictive models and data visualizations using Python, SQL, and Power BI to support data-driven decision-making. Collaborated with teams to optimize data workflows and improve model performance.

EDUCATION

- **Annai mira college of engineering and technology** — *Sep 2022 - May 2025*
  Artificial Intelligence and Data Science — Ranipet, Tamil Nadu
  ∘ CGPA: 7.64/10

- **Thanthai Periyar Government Polytechnic College** — *Mar 2020-Mar 2022*
  Mechanical Engineering — vellore, Tamil Nadu
  ∘ Percentage: 86%

- **R.B.A.N.M.S High school** — *Mar 2017*
  SSLC — Bangalore,Tamil Nadu
  ∘ Percentage: 62%

PROJECTS

- **A Regression Approach to Life Expectancy Prediction** — *Oct 2024-Nov 2024*
  Tools: [Python, Pandas, Scikit-learn, Matplotlib, Seaborn] [🔗]
  ∘ Developed a machine learning pipeline to predict life expectancy using 22 global features, including health, economic, and demographic data
  ∘ Performed data cleaning, imputation, normalization, and exploratory analysis to guide feature selection.
  ∘ Trained and evaluated models (Linear Regression, Random Forest, XGBoost), achieving high R^2 performance.
  ∘ Identified key predictors like Adult Mortality, Schooling, and Income Composition of Resources using Python tools.

- **Apple Quality Classification using ML** — *Jan'25-Apr'25*
  Tools: [TensorFlow,PyTorch,Jupitor Notebook,Django,Python,Scikit Learn] [🔗]
  ∘ Built a classification model to identify apple varieties based on physical and chemical attributes from a structured dataset
  ∘ Performed data preprocessing including handling missing values, feature scaling, and visual analysis for pattern discovery.
  ∘ Trained and compared models (e.g., KNN, SVM, Random Forest, Decision tree) to optimize accuracy and generalization.
  ∘ Achieved high classification accuracy and interpreted feature importance using Python (Pandas, Scikit-learn, Matplotlib).

- **Customer Churn Prediction using Artificial Neural Networks** — *Mar'25-Apr'25*
  Tools: [TensorFlow,Jupitor Notebook,Python,Scikit Learn,Keras] [🔗]
  ∘ Developed and trained a multi-layer ANN using TensorFlow/Keras to predict customer churn from behavioral, transactional, and demographic telecom data.
  ∘ Preprocessed data with encoding, normalization, and addressed class imbalance using SMOTE for improved model learning.
  ∘ Optimized hyperparameters to achieve strong accuracy and recall, identifying key churn factors to aid retention strategies.

SKILLS

- **Programming Languages:** Python
- **Database Systems:** MySQL
- **Data Analytics:** PowerBI,Tableau,MS Excel,Pandas
- **Machine Learning:** scikit-learn, TensorFlow, Keras
- **Tools:** TensorFlow,PyTorch
- **Version Control:** Git,GitHub
- **Operating System:** Windows

CERTIFICATIONS

- **Pantech solutions- certified Python basics** *Jan 2024*

- **Pantech solutions- certified Master in Data analytics** *Dec 2024*

- **Pantech solutions- certified Master in machine learning** *Apr 2025*

PERSONALITY TRAITS

- **Team Work**
- **Positive Mindset**
- **Leadership**
- **Problem Solving**

ADDITIONAL INFORMATION

Languages: Tamil (Read,Write,Speak), English (Read,Write,Speak, Kannada (Read,Speak), Hindi (Speak)
Hobbies: Playing Cricket,Watching Movies,Physical Habit(Gym), Watching Techincal videos