Akash T G

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Objective

Versatile and detail-oriented engineering graduate specializing in Artificial Intelligence and Machine Learning, with strong foundations in data science and analytics. Proficient in Python and SQL, with hands-on experience in building and deploying machine learning models. Seeking an entry-level role to apply analytical thinking, model development skills, and creativity to solve real-world challenges in machine learning engineering, data science, or data analyst roles.

Technical Skills

- **Languages:** Python, C++, Java, SQL, HTML, CSS
- **Libraries/Frameworks:** Pandas, NumPy, Matplotlib, Scikit-learn, TensorFlow, PyTorch
- **Databases:** MySQL
- **Concepts:** Machine learning, Deep learning, Data analysis, statistics, Prompt Engineering,Transformers, BiLSTMs
- **Tools & OS:** GitHub, Jupyter, Colab, VS Code, Power BI, Excel, Google Sheets
- **Soft Skills:** Communication, Teamwork, Problem Solving, Ownership Mindset, Adaptability

Education

B.E. in Artificial Intelligence and Machine Learning   **2021–2025**
Mysore University School of Engineering, Mysuru
GPA: **8.3 / 10**

PUC (Pre-University Course)   **2019–2021**
Alpha PU College
Score: **84%**

SSLC (Secondary School Leaving Certificate)   **2018–2019**
Lions High School
Score: **84%**

Projects

Handwritten Text Recognition with TrOCR — IAM Dataset
Developed and fine-tuned a Transformer-based OCR model (TrOCR) on the IAM dataset to transcribe handwritten word images, automating the entire pipeline (preprocessing, training, inference, evaluation using CER/WER) and enhancing real-world usability with beam search decoding.

Toxic Comment Classification using BiLSTM
Developed a Bi-directional LSTM model using TensorFlow to classify comments as "Toxic" or "Not Toxic" with 96.4% accuracy, supporting both manual input and CSV-based batch processing for scalable analysis.

Walmart Sales Data Analysis
Designed and implemented SQL + Python pipeline to analyze Walmart sales data. Performed EDA, advanced queries, and identified trends by branch and category.

Professional Experience

Data Analytics and Visualization Virtual Internship — Accenture North America (Forage) **Mar 2025 – Apr 2025**
Simulated data analysis and client advisory project. Cleaned, modeled, and analyzed data; presented insights for decision-making.

Artificial Intelligence Intern — Acmegrade in collab. with IIT Bombay   **Sep 2023 – Oct 2023**
Built BiLSTM model for toxic comment classification. Learned and applied classical/modern ML techniques through hands-on projects.

Certifications

- Career Essentials in Data Analysis – Microsoft & LinkedIn
- Power BI Data Analyst Prep – Coursera
- Machine Learning with Python – Simplilearn
- Introduction to SQL – Simplilearn
- Python – HackerRank Certification
- SQL – HackerRank Certification