VIVEK PIPPALLA

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Career Objective:

To apply my expertise in data science and software development to build impactful solutions while continuously enhancing my technical skills in an evolving technological landscape.

Education:

Bachelor of Technology in Computer Science and Data Science (2021-2025)
Kakinada Institute of Engineering and Technology, Kakinada
CGPA: 7.55
Relevant Coursework: Data Structures and Algorithms, Machine learning, Database Management Systems

Technical Skills:

- **Programming Languages:** Python, SQL, C++
- **Data Analysis & Machine Learning:** NumPy, Pandas, Scikit-learn, TensorFlow, Pytorch
- **Data Visualization & Reporting:** Matplotlib, Seaborn, Tableau, Power BI, Excel
- **DevOps:** Git, Docker
- **Databases:** MySQL, MongoDB

Internships:

AI & ML Intern **May 2024 – June 2024**
Andhra Pradesh State Skill Development Corporation (APSSDC) | Edunet Foundation
- Built an NLP model to analyze restaurant reviews, improving sentiment classification accuracy to 87%.
- Applied Natural Language Processing (NLP) techniques to analyze customer feedback.

Summer Intern **May 2023 – July 2023**
IIIT-Hyderabad
- Developed a URL Shortener Web App, reducing URL length by 80%.
- Built using Flask, HTML, CSS, and JavaScript.

Projects:

Sales Performance Analysis Dashboard **Link**
- **Technologies Used:** Python, Pandas, NumPy, Matplotlib, Seaborn, SQL, Excel, Tableau / Power BI
- Built a complete data analytics pipeline to analyze sales trends, product performance, and regional profitability using a retail sales dataset.
- Performed data cleaning, exploratory data analysis (EDA), and feature engineering to extract key business insights.
- Developed interactive dashboards in Tableau/Power BI to visualize KPIs like monthly sales, profit margins, top categories, and discount impact.

NLP Using TensorFlow on Amazon Reviews **Link**
- **Technologies Used:** Python, TensorFlow, Keras, spaCy, NLTK, Scikit-learn, Pandas, NumPy, Matplotlib, HTML, CSS, JavaScript, Flask
- Built a multi-functional NLP pipeline that performs sentiment classification, summarization, and aspect-based sentiment analysis on Amazon product reviews.
- Achieved 92% sentiment classification accuracy using a BiLSTM model.
- Integrated a T5 base model for review summarization and DistilBERT for aspect based sentiment analysis.

Courses Completed:

- Python Data Structures & Algorithms: Ace Coding Interviews – Udemy