

# P. RUKESH

Tirupati, Andhra Pradesh, India

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## Professional Summary

Final-year Artificial Intelligence student with strong skills in machine learning, deep learning, data analysis, and full-stack development. Passionate about building AI-driven solutions and solving real-world problems using Python, TensorFlow, and data science tools. Seeking a placement opportunity to apply technical skills, collaborate with teams, and gain hands-on industry experience.

## Technical Skills

**AI/ML** – Machine Learning, Deep Learning, TensorFlow, Scikit-learn, NLP, Pattern Recognition, spaCy, Model Evaluation

**Programming Languages** – Python, JavaScript

**Web Technologies** – HTML, CSS, Flask, Streamlit

**Database Management** – MySQL, MongoDB

**Data Processing & Visualization** – NumPy, Pandas, Matplotlib, Seaborn, Power BI

**Other Tools** – Git, GitHub, Microsoft Office Suite, Jupyter Notebook

## Projects

### Capture Tag – Image Hashtag Generation | *Deep Learning, TensorFlow, Flask, Railway*

- Trained a CNN-LSTM model to predict relevant hashtags from images.
- Performed image preprocessing and feature extraction, and deployed the model as a Flask API.

### Churn Prediction System | *Machine Learning, Python, MongoDB Atlas, Render*

- Conducted EDA to understand churn behavior and engineered key predictive features.
- Built ML models scikit-learn (Logistic Regression, Random Forest) and deployed the prediction service on Render.

### AI Resume Analyzer | *NLP, spaCy, Streamlit*

- Developed an NLP pipeline to extract skills, education, and experience from PDF resumes.
- Built an interactive Streamlit interface for real-time resume parsing.

### Sentiment Analysis App | *Transformers (DistilBERT), Hugging Face, Streamlit*

- Fine-tuned a transformer model for sentiment polarity detection with high accuracy.
- Hosted an interactive Streamlit web app to visualize predictions and confidence scores.

### Crypto Market Analysis & Forecasting Tool | *Python (Pandas, NumPy, Matplotlib), Streamlit*

- Analyzed cryptocurrency market trends with preprocessing, visualization, and forecasting in Jupyter Notebook.
- Built Streamlit dashboards and generated insights-rich forecasting reports.

### Laptop Sales Dashboard | *MySQL, Power BI*

- Designed and managed a structured sales database in MySQL for trend and performance analysis.
- Created a Power BI dashboard showcasing KPIs such as revenue trends, top-selling models, regional sales, and profits.

## Education

**Bachelor of Technology (B.Tech.) from Parul University, Vadodara, Gujarat** 2022 - 2026

- Branch: Artificial Intelligence | CPI: **7.14**

**Intermediate (MPC) from Sri Chaitanya Junior College, Tirupati, AP** 2020 - 2022

- Intermediate (MPC) | Aggregate: **71.5%**

**Secondary School (SSC) from Gautam Talent School, Tirupati, AP** 2019 - 2020

- Secondary School Education | Aggregate: **98%**

## Soft Skills

- Detail Oriented
- Self-Awareness
- Adaptable Team Player

## Hobbies

- Learning new Technologies
- Playing chess & cricket
- Reading mythology