

# RAGHUVAR VAISHNAV

Rajahmundry, Andhra Pradesh

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## SUMMARY

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Computer Science Engineering graduate with hands-on experience in Python, NLP and machine learning. Skilled in building end-to-end AI pipelines, training classification models and deploying tools using Streamlit and Flask. Passionate about turning data into deployable AI solutions.

## TECHNICAL SKILLS

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**Languages:** Python, SQL

**ML/AI:** Machine Learning, Feature Engineering, Classification, Regression, NLP, RAG, Statistical Analysis

**Frameworks & Libraries:** TensorFlow, Scikit-learn, Pandas, NumPy, Matplotlib, Streamlit, Flask

**Tools & Platforms:** Git, GitHub, Jupyter Notebook, VS Code, Google Colab

## EXPERIENCE

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### SmartBridge Educational Services Pvt. Ltd

Oct 2024 – Mar 2025

*Database Intern*

*Andhra Pradesh, India*

- Designed and optimized SQL queries with joins, subqueries, and aggregations, improving data retrieval efficiency across relational databases.
- Applied normalization and schema design principles, enhancing data integrity and reducing redundancy across multiple schemas.

### ExcelR EdTech Pvt. Ltd

May 2024 – Jul 2024

*Prompt Engineering Trainee*

*Remote*

- Developed and tested zero-shot, few-shot, and chain-of-thought prompt strategies to optimize LLM outputs for task-specific AI automation, improving response consistency.

### HQL EduTech

May 2023 – Jun 2023

*Web Development Trainee*

*Andhra Pradesh, India*

- Constructed responsive, mobile-first web interfaces using HTML, CSS, and JavaScript, improving cross-device usability.

## PROJECTS

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### ResuVanta AI – Resume Screener | *Python, TF-IDF, Logistic Regression, Streamlit* | [GitHub](#)

- Engineered a full-stack ATS scoring tool using TF-IDF + Cosine Similarity that tiers candidates into Strong (75%+), Moderate (50–75%), or Low (under 50%) matches and predicts best-fit career domains via Logistic Regression.

### RAG-Based AI Assistant | *Python, LLM, Semantic Retrieval* | [GitHub](#)

- Built a RAG pipeline that transcribes video audio, indexes BGE-M3 dense embeddings, and retrieves top-20 ranked chunks to generate context-aware answers — outperforming keyword-based baselines on domain-specific queries.

### ClipzeeAI – Automated Reel Generator | *Python, Flask, TTS, Media Processing* | [GitHub](#)

- Developed an automated system via Flask interface, converting text and images into audio-narrated video reels, decreasing average video production time by 80%.

### Depression Detection using ML | *Python, Scikit-learn, SVM, CNN, NLP* | [Academic Project](#)

- Compared SVM (63.5% accuracy, F1: 38.8%) and CNN on 1K–10K text samples; the CNN achieved 93.1% accuracy and F1: 92.7% – a 29.6-point gain over baseline.

## EDUCATION

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### BVC College of Engineering

Aug 2021 – May 2025

*Bachelor of Technology in Computer Science Engineering* | CGPA: 7.35/10

*Andhra Pradesh, India*

## CERTIFICATIONS

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Database Management Systems – NPTEL (2025)