


AMIREDDY VEEKSHITHA

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 (Github link)

 (Linkedin link)

Summary

Computer Science (AI and ML) undergraduate with hands-on experience in Python, data preprocessing, and ML development. Skilled in Pandas, NumPy, scikit-learn, TensorFlow, and Flask, with a track record in leading AI projects like image classification, real-time inference applications and gesture recognition. Strong in model evaluation, pipeline design, and remote collaboration; seeking to contribute as a Data Science Intern at SproutsAI.

Experience

- **Machine Learning Intern – Fynn Labs** **Remote | Apr 2025 – Current**
Preprocessed datasets, trained models (logistic regression, decision trees), and tuned hyperparameters using scikit-learn.
- **Data Analyst Intern** **Remote | Sept - Nov 2024**
Performed data cleaning, created visual dashboards, and conducted statistical analysis to aid data-driven decisions.

Projects

- **Auto-WCEBleedGen – YOLOv8-based Computer Vision model:-** Achieved 100% classification metrics for bleeding detection; optimized Average Precision to 0.817420n.
- **Web-Scraping News Analyzer – Python, SQLAlchemy, Hugging Face:-** Built a scalable news classifier scraping 100+ RSS feeds and categorized articles into 5 segments using transformers
- **Histopathological Cancer Detection – CNN, PyTorch, Keras:-** Implemented logistic regression and CNN to detect cancer in pathology image patches with strong model performance.

Skills

- **Technical Skills:** Python, SQL, NoSQL(MongoDB), HTML, CSS, Git, Jupyter Notebook, Google Colab.
- **Data Analysis:** Pandas, NumPy, Data Cleaning, EDA, Feature Engineering, Data Visualization, Matplotlib, Seaborn.
- **Machine Learning:** Scikit-learn, TensorFlow, PyTorch, EfficientNetB0, CNN, Model Training, Model Evaluation, Hyperparameter Tuning, Transfer Learning, Deep Learning, Computer Vision, Transformers, AI.
- **Deployment & API:** Flask, FastAPI, REST API Integration, API Development, Model Deployment, ML Pipeline Design, Git.
- **Cloud & Tools:** AWS (Basic), GCP (Intermediate), Hugging Face, Google AI Tools, Azure, Kaggle.
- **AI Experience:** ML model optimization, GANs, image analysis, GenAI.
- **Soft Skills:** Critical Thinking, Remote Collaboration, Agile Development, Communication Skills, Technical Documentation, Problem-Solving

Certifications/Course work

- Oracle SQL Database Management - Oracle
- Full Stack Data Science and Machine Learning – Udemy
- Prompt Design with Vertex AI – Google Cloud
- Build Real World AI Applications (Gemini, Imagen) – Google Cloud

Education

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| • Chandigarh University
BE in CSE (AI and ML) (GPA: 7.9/10.0) | Gharuan, Punjab
Sept 2021 – June 2025 |
| • Excel Junior College
Intermediate (Class XII) (GPA: 964/1000) | Hyderabad, Telangana
Aug 2019 – May 2021 |
| • Kakatiya High School
Class X (GPA: 9.8/10.0) [SSC] | Suryapet, Telangana
2018 – 2019 |

Leadership and Achievements

- Led a team of 4 across 4 consecutive semesters in research and development projects.
 - Published a research paper on machine learning.
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