

JAMANA UPENDRA

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📍 Bhimavaram

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EDUCATION

Vishnu Institute of Technology ,Bhimavaram

B Tech |Artificial Intelliegence And Machine Learning - 8.22

2022 - 2026

AP Model College,Bhamini

Intermediate | MPC - 78.1%

2021 - 2022

AP Model School,Bhamini

SSC - 97.33

2019 - 2020

TECHNICAL SKILLS

- Programming Languages:** Python (Advanced), Java (Intermediate), C (Intermediate)
- Machine Learning:** TensorFlow, Scikit-learn, Natural Language Processing (NLP), Deep Learning
- Database Systems:** MySQL, PostgreSQL, MongoDB
- Developer Tools:** Git, GitHub, VS Code, Jupyter Notebook
- Front-End Development:** HTML, CSS, JavaScript

WORK EXPERIENCE

- **AWS Virtual Internship (Cohort 9)**
- Completed a 10-week virtual internship focused on hands-on AWS training, gaining experience with core services like EC2, S3, Lambda, and RDS.
- Deployed scalable, cost-efficient cloud solutions using infrastructure as code (CloudFormation) and implemented monitoring with CloudWatch and CloudTrail.
- **Codeway Internship**
- Built an SMS spam classifier using TF-IDF, Naive Bayes, and SVM, achieving 95% accuracy through optimized preprocessing and model tuning.
- Enhanced customer churn prediction by 10% using Logistic Regression and Gradient Boosting, with effective feature engineering, EDA, and evaluation using ROC-AUC and F1-score.

PROJECTS

MultiModal Summarization Tool

- Tech Stack: Python, BART, mBART, Whisper, EasyOCR, Flask
- Developed an AI-powered summarization platform capable of processing and summarizing content from text, images, audio, and video formats
- Integrated advanced models (BART, Whisper, mBART, EasyOCR) to enable accurate multi-language and multi-format content extraction
- Improved user efficiency in content consumption by 50% through seamless summarization workflows
- Published supporting research in IEEE, demonstrating effective use of multimodal learning techniques

Weather API

- Designed a real-time Weather API leveraging airspeed, humidity, and temperature data to improve forecast accuracy.
- Integrated external data sources and implemented efficient data pipelines for real-time processing and updates.
- Enabled seamless access to dynamic weather insights for frontend applications through RESTful endpoints with JSON responses.

AWARDS & ACHIEVEMENTS

- Co-authored a research paper on multimodal summarization, published in IEEE, exploring techniques to integrate text, audio, and visual data for enhanced content summarization and information retrieval.
- Selected for National Means and Merit Scholarship
- Achieved Award in district-level Math competition

LINKS

[Leetcode](#)

[Geeksforgeeks](#)