P V S ABHISHEK

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I'm a final-year B.Tech student in Computer Science, specializing in Artificial Intelligence and Machine Learning. I've built several end-to-end machine learning projects in areas like NLP, finance, and healthcare, gaining strong skills in Python, TensorFlow, scikit-learn, and data visualization. With a solid foundation in model development and evaluation, I'm excited to apply my skills in a Junior Machine Learning Engineer role where I can contribute to real-world AI solutions and grow in a collaborative environment.

PROJECTS

Bitcoin Price Movement Based on News
Machine Learning Project

• Developed an NLP-based classification model to predict Bitcoin price direction using real-time financial news.
• Applied sentiment analysis, TF-IDF vectorization, and classifiers such as Logistic Regression and SVM.
• Achieved an accuracy improvement of 12% over baseline; improved model interpretability with SHAP values.
• Tools: Python, scikit-learn, NLTK, Pandas, Jupyter Notebook
• GitHub Link

Risk Analytics for Banking and Financial Services
AI in Finance Project

- Built a predictive model to assess customer credit risk using historical financial data.
- Implemented Logistic Regression and Decision Trees to identify potential defaults.
- Reduced false positive rates by 18% through hyperparameter tuning and cross-validation.
- Tools: Python, pandas, matplotlib, seaborn
- GitHub Link

Prediction of Disease
Healthcare AI Project

- Designed a disease prediction model using patient data with classification algorithms (Random Forest, SVM).
- Evaluated performance using accuracy, precision, recall; visualized results with confusion matrices.
- Tools: Python, scikit-learn, matplotlib
- GitHub Link

Asteroid Classification and Visualization
Data Science + Visualization Project

- Classified asteroids using supervised learning on NASA datasets.
- Visualized asteroid types, size, and potential threats using seaborn and matplotlib plots.
- Tools: Python, scikit-learn, seaborn, pandas
- GitHub Link

Global Earthquake Data Analysis using Tableau
Data Visualization Project

- Developed interactive dashboards to visualize global earthquake activity trends.
- Analyzed geographic distribution and magnitude patterns to identify high-risk zones.
- Tools: Tableau, Excel
- GitHub Link

SKILLS

- **Tools:** Jupyter Notebook, Google Colab, Git, GitHub, VS Code, Tableau, Postman, Excel
- **Machine Learning & AI Skills:** Supervised & Unsupervised Learning, Neural Networks, CNN, RNN, Transfer Learning, Model Evaluation, Hyperparameter Tuning
- **Technical Skills:** Python, Java, SQL, NumPy, Pandas, Scikit-learn, TensorFlow, Keras, XGBoost, NLTK, Matplotlib, Seaborn, MySQL, MongoDB
- **Deployment & Dev Skills:** Flask (basic), Streamlit (basic), REST APIs, Agile Development, OOP, Version Control
- **Soft Skills:** Problem Solving, Critical Thinking, Team Collaboration, Communication, Time Management

EDUCATION

VIT-AP University ,India
B.Tech in Computer Science and Engineering with AI and ML
Expected Graduation: 05/2026

Oracle Certified Foundations Associate
Oracle Cloud Infrastructure 2023 – AI Certified Foundations Associate
Issued: 07/2024

EXPERIENCE

Computer Society of India (CSI) – Student Chapter
Team Member – Design & Content
07/2023 – Present · VIT-AP University ,India
- Gained hands-on experience working in a collaborative team environment, contributing to the design and publication of educational content on emerging tech topics.
- Used Figma to design visually appealing Instagram posts focused on AI, ML, and computer science facts, improving engagement with the student community.
- Developed soft skills such as team collaboration, communication, and time management while coordinating with peers to maintain a regular content schedule.
- Strengthened creative problem-solving by translating technical concepts into visually engaging, easy-to-understand social media content.