Keti Pavan Kumar

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Professional Summary

Passionate and driven computer science student with a focus on Artificial Intelligence and Machine Learning. Eager to secure an internship or entry-level role to apply analytical skills, programming proficiency, and a dedication to uncovering insights from data. Committed to contributing to transformative projects in the AI domain.

Education

Malla Reddy University | Hyderabad, India Bachelor of Technology in CSE (Artificial Intelligence & Machine Learning)

- Status: Pursuing 4th Semester

- CGPA: 7.64/10.0

Excellencia Junior College | Hyderabad, India Intermediate Education

- Graduated: 2022

- GPA: 7.3/10.0

Shantiniketan Vidyalaya | Hyderabad, India Secondary School Certificate (SSC)

- Graduated: 2020

- Percentage: 70.6%

Skills

- **Programming Languages:** Python (NumPy, Pandas), Java, JavaScript, HTML, CSS, TypeScript

- **Databases:** MySQL

- **Machine Learning:** Regression, Classification, Clustering, NLP, Deep Learning (YOLOv3)

- **Cloud & DevOps:** AWS, Terraform

- **Tools:** Node.js, OpenCV

- **Core Competencies:** Strong Design & Analytical Abilities, Problem-Solving, Effective Communication, Presentation Skills

Projects

Bank Loan Eligibility Prediction

- Developed a system to streamline the approval process for home and education loans using machine learning.

- Utilized historical applicant data to train Logistic Regression, Random Forest, and XGBoost models to classify applicants with high accuracy.

- Technologies Used: Python, scikit-learn, Node.js, TypeScript.

Da Vinci DriveAI: Autonomous Vehicle Vision

- Implemented a real-time obstacle detection system for autonomous vehicles using deep learning to enhance navigation and safety.

- Leveraged the YOLOv3 algorithm to identify and classify objects like cars, pedestrians, and bikes from video streams.

- Technologies Used: Python, OpenCV, YOLOv3.

NLP Text Summarizer

- Built a web application that automatically condenses long documents into concise summaries using Natural Language Processing.

- Implemented both extractive (ranking sentences) and abstractive (generating new sentences) summarization techniques.

- Technologies Used: Python, NLTK/spaCy, Web Framework (e.g., Flask/Django).

Certifications & Accomplishments

AWS Academy
- AWS Academy Graduate - Generative AI Foundations
- AWS Academy Graduate - Cloud Operations
- AWS Academy Graduate - Cloud Foundations

NPTEL
- Programming in Java

Internship
- YBI Foundation: 2-Week Internship in Python Programming

Awards
- Malla Reddy University: First Place, Intellithon 2024 (National-Level AI Project Expo)

Hackathon
- St. Martin's Engineering College: Certificate of Participation, QUANTANOVA V1 2025 (24-hour National-Level Hackathon)

Personal Information

- **Date of Birth:** 16th November 2004

- **Languages:** Telugu (Native), Hindi (Fluent), English (Professional)