JAHNAVI SRI HARSHITA KONATALA

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PROFESSIONAL SUMMARY

Proactive and analytical Software Development Engineer specializing in AI/ML with over a year of cumulative internship experience. Demonstrated ability to design, develop, and deploy end-to-end, full-stack applications. Proven collaborator who applies original thought to solve complex problems, as shown in projects for Microsoft and in deploying containerized ML models. Eager to contribute to a collaborative team and build high-impact software solutions.

EDUCATION

Shri Vishnu Engineering College For Women   2022 - Present
Bachelor of Technology in Artificial Intelligence and Data Science   *8.9 CGPA*

EXPERIENCE

Edunet Foundation | *Microsoft Azure AI Internship*   May 2025 – June 2025
- Developed **CareerCore**, an AI-powered web application to analyze and score resume-to-job-description alignment, serving as the capstone project for the internship.
- Engineered a dual-analysis engine using **spaCy** for Named Entity Recognition (NER) to extract keywords and **Sentence-Transformers** for calculating semantic similarity.
- Exercised analytical judgment to design and implement a weighted scoring algorithm, delivering a precise match percentage, a clear skill-gap analysis, and actionable recommendations to guide user career development.

SkillDzire | *Machine Learning Intern*   May 2024 – July 2024
- Translated theoretical machine learning concepts into practical application, independently managing data processing with Pandas and model implementation with Scikit-learn to deliver functional project prototypes.

EduSkills | *Android Developer Intern*   Apr 2024 – June 2024
- Engineered an Android application using **Kotlin** and **Android Studio**, implementing key UI/UX features and business logic for a seamless mobile experience.

EduSkills | *AIML Intern*   Jan 2024 – Mar 2024
- Implemented and trained a **Linear Regression** model using **Python** and **Scikit-learn** to analyze a dataset and predict outcomes, solidifying understanding of the ML lifecycle.

SKILLS

Programming Languages: Python, Java
AI & Machine Learning: PyTorch, TensorFlow, Scikit-learn, spaCy, Pandas, NumPy, Matplotlib
Web & Database: Flask, React.js, HTML, CSS, SQLite3
Developer Tools & MLOps: Git, GitHub, Docker, Hugging Face, Android Studio, Tableau
Core Competencies: Data Structures, Algorithms, Problem Solving, Full-Stack Development, API Design, Deployment
Professional Skills: Teamwork & Collaboration, Verbal Communication, Time Management, Adaptability

PROJECTS

iDetect: Human Action Recognition | *PyTorch, Flask, Docker*   **Live Demo**   **GitHub**
- Architected an end-to-end deep learning system to classify human actions from video, featuring a Flask REST API backend and a responsive vanilla JavaScript frontend.
- Containerized the full-stack application using **Docker** and deployed it to **Hugging Face Spaces**, demonstrating a complete MLOps workflow from development to production.
- Implemented a Bidirectional LSTM model on pre-computed ResNet-50 features, achieving robust classification across 101 action categories from the UCF-101 dataset.

Hospital Ease | *Python (tkinter)*   **GitHub**
- Engineered a desktop patient management system with 4 core modules (Patient Records, Scheduling, etc.), projected to reduce administrative task time by over 90%.
- Implemented full CRUD functionality across all modules, ensuring secure data handling and efficient querying for a database designed to scale to 10,000+ records.

ACHIEVEMENTS

- Attained certification in Database Management Systems   **(NPTEL)**
- Acquired expertise in Operating System Fundamentals   **(NPTEL)**
- Certified in CS109x: Introduction to Data Science with Python   **(HarvardX)**
- Exploratory Data Analysis (Level 2 - AI Ready)   **Accenture AI ASCEND (Jun 2025)**
- Data Processing and Visualization (Level 2 - AI Ready)   **Accenture AI ASCEND (Jun 2025)**

ADDITIONAL

- Extra-Curricular Activities: Hosting technical podcasts (demonstrating verbal communication and presentation skills), Drawing