PUJALA PUNEETH

UNDERGRADUATE

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EDUCATION

B. Tech CSE (Specialization in AI-ML) - 9.63 CGPA
VIT-AP University (2023 - Present)

Intermediate (MPC) - 94.9 %
Sri Chaitanya Jr. College (2021 - 2023)

PROJECTS

1. Weather Prediction (ML Project) - ML_LAB_WeatherPrediction.ipynb - Colab

- Processed **10,000+ weather records** for rainfall prediction.
- Implemented **5 ML models** (Decision Tree, Random Forest, Logistic Regression, SVM, and Gradient Boosting).
- Applied **ensemble modeling** that improved accuracy by **12%** compared to individual models.
- Assembled an **interactive UI** for day-wise rainfall prediction and added **3+ visualization graphs** (temperature trends, rainfall distribution, accuracy comparison).

2. **Weather App (Web Project)** - Weather Dashboard

- Integrated **2 APIs** (OpenWeatherMap for weather data + GeoCoding for location search).
- Modelled a responsive frontend with **100% mobile compatibility**.
- Features include **real-time search by city**, temperature, humidity, wind speed, and interactive weather icons.
- Reduced API call latency by **20%** with efficient fetch handling.

3. ToDoApp (Web Project) - To-Do List

- Made with **HTML, CSS, JavaScript** and **local storage** for offline persistence.
- Allows **CRUD operations**: Add, update, delete, and mark tasks as completed.
- Optimized for **50+ tasks** without performance issues.
- Designed with **responsive UI**, tested across **3 major browsers** (Chrome, Edge, Firefox).

PROFESSIONAL EXPERIENCE

Data Science Intern – Mindenious *(May 2024 – Jul 2024)*

- Pre-processed datasets, applied **feature engineering** and constructed ML models.
- Implemented **ensemble methods** enhancing prediction accuracy by 15%.
- Created **data visualizations (Matplotlib, Seaborn)** that amended interpretability by 40%.

Web Development Intern – Mindenious *(May 2024 – Jul 2024)*

- Established responsive web applications using **HTML, CSS, JavaScript**.
- Integrated **REST APIs** and improved UI responsiveness by 25%.
- Enhanced debugging & testing workflows, reducing issues by 30%.

Research Intern – OCI (Open Compute Initiative) *(Remote, 2024)*

- Analysed **cloud-native infrastructure data**.
- Researched scalable **system architectures** for efficiency improvements.
- Contributed to documentation and open-source repo discussions.

Google Generative AI Participant – Kaggle *(Workshop + Practice, 2024)*

- Completed a **5-day workshop on Google GenAI** via Kaggle.
- Practiced for **1 month** building mini-projects with **LLMs, embeddings, and AI APIs**.
- Explored applications such as **chatbots, summarization, and GenAI-based tools**.

KEY ACHIEVEMENTS

- Secured **86% academic score** with **1000+ learning hours** in Computer Science subjects.
- Accomplished **1-month Google Gen AI Kaggle Workshop** with **5+ ML models** and tested.
- Executed **3 major Capstone Projects**: Customer Churn Prediction, House Price Prediction, and Fraud Detection.
- **Built and deployed 5+ web and AI applications** (interactive web tools, ML-powered apps, and AI-driven platforms).
- **2 internships at Mindenious** (Data Science & Web Development), applying solutions to real datasets.

TECHNICAL SKILLS

- **Programming & DSA:** Java, Python, C, SQL
- **Web Development:** HTML, CSS, JavaScript, React.js (basic), Node.js (basic)
- **Databases & Tools:** MySQL, Git, GitHub, Postman (familiar), MongoDB (familiar), Firebase (familiar)
- **Machine Learning & Data Science:** Pandas, NumPy, Scikit-learn, Matplotlib, Ensemble Modeling, Basic RAG (Retrieval-Augmented Generation)
- **Core CS Concepts:** Data Structures & Algorithms, OOP, DBMS, Software Engineering (SDLC, Agile), Operating Systems