

Pendem Teja

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SUMMARY

Backend Developer at VerosAI LLC with hands-on experience in building Python-based data pipelines and integrating enterprise datasets into SAP S/4HANA Cloud. Designed and maintained scalable backend systems, contributing to seamless data migration and 30% reduction in integration errors. Skilled in REST API development, data validation, and cloud-based deployment. Actively seeking backend challenges that involve solving complex business problems with clean, maintainable code.

EDUCATION

2021 - 2025	Bachelor's Degree at SRM university, AP	(GPA: 7.1)
2021	Class 12th Telangana State Board	(Percentage: 82)
2019	Class 10th Board Of Secondary Education Of Telangana	(CGPA: 9.2)

SKILLS

Languages	Python, C, C++, Java.
Web Technologies	HTML, CSS, django, UI/UX Design, Figma
Database Management	MongoDB, MySQL ,PostgreSQL.
Machine Learning and Data Science	NumPy, Jupyter Notebooks.
Version Control	Git, Git hub.

WORK EXPERIENCE: VEROSAI

Virtual Data Conversion and API Integration Intern April 2024 - Present

- Engineered ETL pipelines using Python (Pandas) to transform large datasets for SAP S/4HANA Cloud API integration, improving data migration accuracy by 99%.
- Achieved 99% data consistency across conversions by implementing automated validation checks.
- Partnered with cross-functional teams to debug API schema mismatches and optimize payload structures, reducing integration errors by 30%.
- Authored detailed data mapping documentation used by 2+ future interns for onboarding.
- Resolved 15+ data connectivity issues by debugging payload formats and authentication headers..

PROJECTS

Machine Learning Models

[Link](#)

- House Price Prediction (Linear Regression): Cleaned and preprocessed housing datasets (null handling, scaling), trained regression model with 85% R^2 accuracy; identified square footage and bedroom count as top predictors.
- Customer Segmentation (K-Means Clustering): Clustered retail customers into 4 distinct groups using purchase history; helped simulate targeted marketing strategies using Seaborn and Matplotlib visualizations.
- Image Classification (SVM): Classified cat/dog images (Kaggle) using SVM with 90% accuracy; optimized performance via grid search and data augmentation.

CodSoft Java Projects

[Link](#)

Java Projects Portfolio – CodSoft Internship

- Number Guessing Game: Developed a Java-based CLI game using loops, conditionals, and random number generation to strengthen logic-building and user interaction handling.
- Word Analyzer Tool: Built a text analysis utility in Java to count words, sentences, and character frequencies using file I/O and regex for text parsing.
- Student Management App: Designed and implemented a Java-based CRUD application to manage student records, applying object-oriented principles and ArrayList structures for data handling.

Contact Book (C Language)

[Link](#)

Personal CLI Contact Management Tool

- Developed a contact management system in C using TreeMap for efficient lookup by name and email.
- Designed an interactive menu-driven interface with switch-case logic and integrated file I/O for data persistence.
- Implemented complete CRUD functionality with input validation and formatted output for a user-friendly experience.

Currency Converter (Python Web App)

[Link](#)

Currency Converter Web App

- Developed a responsive web-based currency converter using Python and Flask, integrating real-time exchange rate APIs.
- Supported conversion between 10+ currencies with responsive design using HTML/CSS.
- Integrated currency conversion web application on Heroku's cloud platform, streamlining testing and deployment cycles by 30% and providing public access to application's functionality, while being the only developer.

ACHIEVEMENTS & BADGES

- [Machine Learning with Python – freeCodeCamp](#)
- [Python for Data Science – IBM \(Cognitive Class\)](#)
- [SQL \(Advanced\) Certificate – HackerRank](#)
- [Developer Program – Accenture](#)
- [Programming Fundamentals using Python – Infosys](#)
- [Intern – Prodigy Info Tech](#)
- [Database Management Systems – NPTEL](#)
- [UI/UX Design Full Course with Figma – Mind Luster](#)
- [HackerRank](#)
- [LeetCode](#)