

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 of Technology in Computer Science and Engineering SRM University, AP	(GPA: 7.1)
2021	Class 12th – Telangana State Board of Intermediate Education	(Percentage: 82)
2019	Class 10th – Board of Secondary Education, Telangana	(CGPA: 9.2)

SKILLS

Languages	Python, C, C++, Java.
Web Technologies	Django, React JS, NodeJs, HTML, CSS, Docker.
Database Management	MongoDB, MySQL ,PostgreSQL.
Machine Learning and Data Science	NumPy, Jupyter Notebooks.
Version Control	Git, Git hub, Postman, Figma.
Platforms	Linux, Windows, Android Studio, VS Code, Ubuntu, Google Cloud,Jupyter.

WORK EXPERIENCE: VEROSAI

Virtual Data Conversion and API Integration Intern April 2024 - Present

- Engineered advanced ETL pipelines leveraging Python and Pandas to transform large datasets, resulting in improved analytics capabilities for SAP S/4HANA Cloud; supporting data-driven decisions for 10+ key business units.
- 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.

PROJECTS

Team Management Dashboard (React.js, Django ,JWT Auth) [Web Link](#), [Code Link](#)

- Built a mobile-responsive task and team dashboard using React.js, featuring modular components, dark/light mode toggle, and an intuitive UI to enhance collaboration and tracking.
- Integrated secure RESTful APIs with JWT authentication, enabling full CRUD operations, live task editing via PATCH, and dynamic team creation from backend-fetched data.

AI Resume Screening System (React.js, FastAPI, SQLite, RESTful API) [Web Link](#) , [Code Link](#)

- Developed a full-stack AI resume screening system using React, FastAPI, and SQLite, leveraging NLP-based semantic similarity to automate candidate evaluation and ranking.
- Integrated spaCy, sentence-transformers, and scikit-learn to parse resumes into structured data (skills, experience, etc.) and match applicants against job descriptions with real-time scoring.

Brain Tumor Detection System (React.js, Flask + FastAPI, VGG16) [Web Link](#), [Code Link](#)

- Engineered an AI-driven brain tumor detection system using transfer learning on VGG16, achieving 99% accuracy through dataset augmentation and fine-tuning for binary image classification.
- Developed a full-stack solution with Flask/FastAPI REST API and React frontend, featuring real-time predictions, drag-and-drop MRI upload, and concurrent processing with Gunicorn.

Portfolio Generator (React, Node.js, Google OAuth) [Web Link](#), [Code Link](#)

- Built a full-stack portfolio generator with React and Node.js, enabling users to preview and download personalized, responsive HTML portfolios with modern UI themes and embedded styling.
- Integrated features like real-time updates, localStorage persistence, and Google OAuth, along with export-ready templates optimized for GitHub Pages and Netlify hosting.