

Paleti Bhanu Prasad Reddy

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Education

Vellore Institute of Technology

Integrated M.Tech in Computer Science and Engineering

Vellore, India

2021 – 2026

Experience

AhaApps Infotech Pvt Ltd

Software Trainee (Intern)

Hyderabad, India

Oct 2025 – Present

- Automated insurance document validation workflows, reducing processing time from 30 minutes to 2 minutes per document through asynchronous pipelines.
- Using Microsoft Power Automate and AI Builder to orchestrate document extraction workflows and integrate extracted data into backend systems.
- Built asynchronous PDF-to-database pipelines for COI and insurance documents, enabling high-throughput processing and structured data extraction.
- Implemented rule-based validation logic to detect missing, inconsistent, and incorrect values using business rules.
- Developed dynamic reporting modules in .NET (C#) for operational tracking and validation summaries.
- Working on a Natural Language to SQL system using offline LLMs to enable non-technical querying of databases.

Virtusa

Core Java Developer Intern

Remote

Aug 2025 – Sep 2025

- Developed backend services for a logistics management system using Spring Boot and REST APIs.
- Implemented role-based authentication and inventory management workflows.
- Integrated backend services with frontend components using React.js and MySQL.

Projects

• Insurance Document Automation Platform

Designed a backend system to extract, validate, and store key data from insurance PDF documents. Automated manual verification workflows using conditional rules, orchestration flows, and database-driven validation.

Tech: .NET (C#), SQL Server/MySQL, Microsoft Power Automate, AI Builder, PDF Parsing, Python

• Natural Language to SQL using Offline LLMs

Built a backend service allowing users to query relational databases using plain English. Implemented schema-aware prompting and query validation before execution.

Tech: Python, LangChain, Local LLMs, SQL

• Backend Inventory & Delivery Management System

Developed a backend-driven inventory and delivery tracking system with role-based access for internal teams and delivery agents. Designed REST APIs for inventory updates, delivery status tracking, and reporting workflows.

Tech: Spring Boot, REST APIs, MySQL, Spring Security

Technical Skills

Backend: .NET, Spring Boot, REST API design, asynchronous processing

Programming: Python, Java, C#, SQL

Databases: MySQL, SQL Server, MongoDB

Automation: Microsoft Power Platform, AI Builder

LLMs & NLP: LangChain, Prompt Engineering, Offline LLMs

Cloud: AWS (EC2, S3), Azure (App Services, Storage)

DevOps: Docker, GitHub Actions, Jenkins, Kubernetes

Frontend: React.js, HTML, CSS

Tools: Git, GitHub

Certifications

Microsoft Certified: Azure AI Fundamentals (AI-900)