

# MANI SHANKAR REDDY

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 Kurnool, Andhra Pradesh

## PROFILE

Innovative Software Developer with hands-on experience in designing and deploying scalable full-stack applications using **.NET, Python, and Java**. Skilled in building **ASP.NET**  **MVC web apps, RESTful APIs, and AI-powered solutions** leveraging **Azure OpenAI, RAG pipelines, and vector embeddings**. Proven ability to optimize backend processes, enhance data workflows, and deliver **secure, user-centric applications** in cloud environments. Strong collaborator, adept in **Agile development**, and committed to translating complex requirements into **production-ready software**.

## SKILLS

**Languages:** Python, Java

**Frameworks&Tools:** .NET Core, ASP .NET, Bootstrap, Streamlit

**Database Management:** SQL, JDBC, Azure Data Tables

**Cloud & AI Platforms:** Microsoft Azure (App Services, Data Tables, Azure SQL, Azure OpenAI), RAG, Vector Embeddings

**Software Engineering:** OOPS (Java & Python), SDLC, Git, Agile Methodology

**Web Development:** HTML5, CSS3, JavaScript, Tailwind CSS

**Visualization:**

PowerBi, Excel, Python Pandas

## PROFESSIONAL EXPERIENCE

### Junior Engineer, Mindsprint

09/2025 – Present | Chennai

- Developed and deployed an **ASP.NET**  **MVC web application**, implementing modular design and role-based authentication for scalable enterprise use.
- Built **.NET backend services** to integrate with **CLU (Conversational Language Understanding)** models, enabling accurate natural language intent recognition.

### Intern, Mindsprint

01/2025 – 08/2025 | Chennai

#### Project: Treasury Bot | Tech Stack: .NET, JavaScript, HTML/CSS, Microsoft Azure, Copilot Studio

- Refactored front-end logic by **redesigning user workflows**, increasing usability and **reducing user errors by 25%**.
- Engineered backend automation pipeline to **parse and normalize Excel uploads**, **decreasing manual processing time by 60%**.
- Integrated **real-time data binding between Azure Tables and frontend views**, enhancing UI **responsiveness by 30%**.
- Optimized interface clarity by **dynamically filtering non-relevant data columns**, improving user focus and **reducing visual clutter**.

## PROJECTS

### RAG Chatbot

09/2025 – 10/2025

- Developed a Retrieval-Augmented Generation (RAG) chatbot using LangChain for vector embeddings and text retrieval, integrated with OpenAI API for natural language responses.
- Implemented document parsing and semantic search over custom datasets to provide context-aware answers.
- Optimized response accuracy and latency by fine-tuning embedding generation and query retrieval pipelines.

### Netflix dashboard

10/2025

- Collected, cleaned, and prepared the Netflix dataset using Python (Pandas) to ensure accuracy and consistency for analysis.
- Performed Exploratory Data Analysis (EDA) to uncover key trends in genres, ratings, release years, and audience distribution.
- Built an interactive Power BI dashboard using DAX, filters, and slicers to visualize KPIs and deliver actionable insights on content and regional preferences.

## EDUCATION

### Bachelors Of Technology in Computer Science, Amrita Vishwa Vidyapeetam

2021 – 2025 | Amritapuri

CGPA-8.61

## ADDITIONAL EXPERIENCE

### Tech Speaker – Seminar on “Creative Solutions for Modern-Day Problems”

- Delivered a hands-on session on computational thinking and real-world software problem solving to over 100+ high school students. Promoted adoption of AI-ready skillsets, system design thinking, and logical abstraction.

## CERTIFICATIONS

### GenAI in Data Analytics-Coursera

09/2025 – 10/2025

### Azure for .NET Developers-Coursera

06/2025 – 08/2025

### Machine Learning Essentials – Corizo

08/2023 – 09/2023