# Deepthi Sannayila

LinkedIn: linkedin.com/in/deepthi-sannayila-aa941a290
Github: github.com/Kdirrfk

Email: deepthisannayila@gmail.com
Mobile: +91 9381698422
GeeksforGeeks: sannayiladr5t4

## Career Objective

Python Developer with a strong background in AI, data analysis, and software engineering. Passionate about building scalable solutions using machine learning and data-driven insights to optimize business processes and drive innovation in a dynamic environment.

## Education

- **Sri Vasavi Engineering College** — Tadepalli Gudem, AP, India
  *B.Tech in Computer Science and Artificial Intelligence;* ***CGPA: 9.0*** — *Oct 2022 – Present*
- **J.R.R Navodaya Junior College** — Gurazala, AP, India
  *Intermediate; MPC -* ***CGPA: 8.9*** — *Jun 2020 – Apr 2022*
- **Fathima Vidya Nikethan** — Rentachintala, AP, India
  *Secondary School Certificate (SSC);* ***CGPA: 9.7*** — *Jun 2019 – Mar 2020*

## Technical Skills

- **Languages**: Python, Java, JavaScript
- **Frameworks**: TensorFlow, PyTorch, Scikit-learn, OpenCV, NLTK, React.js
- **Databases**: MongoDB, SQL
- **Developer Tools**: Git, Visual Studio Code
- **Core Concepts**: Data Structures  Algorithms, Artificial Intelligence, Problem Solving, Team Collaboration

## Experience

- **National Institute of Technology (Internship)** — Remote
  *Backend Developer* — *May 2024 – Present*
  - Developed a full-stack AI Engineering Tutor using a local Ollama backend with Retrieval Augmented Generation (RAG) for contextual chat and PDF analysis.
  - Integrated Whisper for voice input and implemented dynamic UI updates with backend services for real-time document processing and AI interactions.

## Projects

- **Telegram AI Agent (Python, MongoDB, NLP)**: Built an AI-powered Telegram bot using Python and Google Gemini API for smart, real-time responses. Integrated MongoDB and NLP-based sentiment analysis, improving accuracy by 35%. Added support for image analysis and web search to enhance user interaction. [Link]
- **Stock Portfolio Management (React.js, Node.js, SQLite)**: Developed a dynamic stock portfolio tracker to enable real-time monitoring and management of investments. Implemented core features that improved user experience and boosted engagement among daily investors. Optimized UI components and state management to ensure fast, responsive performance across devices. [Link]
- **Fraud App Detection (Python, ML Models, SQLite)**: Designed an intelligent fraud detection tool that analyzes Google Play reviews using sentiment analysis and machine learning. Achieved **85% accuracy** in identifying fraudulent apps, with results stored in SQLite for effective monitoring. Enhanced data preprocessing and model tuning to improve detection speed and reliability. [Link]

## Achievements

- Solved **400+** problems on GeeksforGeeks and participated in numerous coding challenges.
- Secured **3rd Place** in a college-level Hackathon and actively participated in various events.

## Certifications

- **Python Programming (NPTEL)**: [Certificate]
- **Azure AI Fundamentals (Microsoft)**: [Certificate]
- **Oracle Cloud Infrastructure (Oracle)**: [Certificate]
- **Introduction to Generative AI (IBM)**: [Certificate]
- **Cloud Computing (NPTEL)**: [Certificate]