

# BONAGIRI NAGA VENKATA HRUDAI DEEPAK

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## PROFESSIONAL SUMMARY

Detail-oriented Computer Science undergraduate specialising in Artificial Intelligence and Machine Learning at Annamacharya Institute of Technology. Proven expertise in developing full-stack AI applications, specialising in Retrieval-Augmented Generation (RAG) and LLM integration. Technically proficient in Python, FastAPI, and Vector Databases.

## SKILLS

- **AI & Machine Learning:** Generative AI, GPT-4o-mini Integration, LangChain, RAG Architectures, Vector Embeddings.
- **Databases:** ChromaDB (Vector DB), PostgreSQL, SQLAlchemy.
- **Backend Development:** Python, FastAPI, RESTful APIs, Secure Authentication (bcrypt).
- **Frontend & Tools:** Streamlit, Git, GitHub, MS Office, Typing Master.
- **Soft Skills:** Problem Solving, Team Leadership, Technical Communication, Adaptability.

## EDUCATION

**Annamacharya Institute of Technology & Sciences (AITS)** | Hyderabad, India *Bachelor of Technology in Computer Science (AI & ML)* | 2023 – 2027

- Current Status: 3rd Year Undergraduate
- Relevant Coursework: Neural Networks, Natural Language Processing, Data Structures, Database Management.

**Narayana Junior College** | Raviryala, India *Intermediate (MPC)* | 2019 – 2021

- Aggregate: 94%

**Creative High School** | Khammam, India *Secondary School Certificate (SSC)* | 2019

- Aggregate: 97%

## TECHNICAL PROJECTS

**AI Career Mentor – Full-Stack Guidance Platform**

- Developed an end-to-end AI mentorship application using a Retrieval-Augmented Generation (RAG) architecture.
- Integrated **GPT-4o-mini** with **ChromaDB** to enable long-term memory, allowing the AI to provide context-aware advice based on uploaded resumes and previous chat history.
- Engineered an automated roadmap generator that performs skill-gap analysis to create 5-step career paths with learning resources and time estimates.
- Built a high-performance backend using **FastAPI** and **PostgreSQL**, implementing secure user authentication with **bcrypt** password hashing.
- Designed a **Streamlit** dashboard to visualise resume analytics, including top skills and proficiency scores.

## ACHIEVEMENTS & ACTIVITIES

- **Runner-up:** College Showdown Singing Competition.
- **Continuous Learner:** Actively exploring emerging trends in Large Language Models (LLMs) and Vector Databases.

## LANGUAGES

- English (Professional)
- Hindi (Professional)
- Telugu (Native)

## PERSONAL DETAILS

- **Father's Name:** B. Anand Mohan
- **Date of Birth:** 11-09-2004

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**Declaration:** I hereby declare that the information provided above is true to the best of my knowledge.