PURUSHOTHAM DANDU

An enthusiastic and passionate Computer Science graduate with hands-on experience in AI application development, seeking a role where technical skills, innovative thinking, and continuous learning contribute effectively to organizational growth while enhancing professional expertise.

CONTACT

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📍 Anantapur, Andhra Pradesh, India

💼 Purushotham Dandu

SOFT SKILLS

- Team Work
- Time Management
- Communication
- Adaptability

TECHNICAL SKILLS

- AI & Automation
- Python
- Web Technologies (HTML and CSS)
- SQL

LANGUAGES

- English
- Telugu
- Hindi

INTERESTS

- Social Service
- Reading comics
- Listening to music

EDUCATION

- **BACHELOR OF TECHNOLOGY** (Computer Science and Engineering) *2022 - 2025*
  Srinivasa Ramanujan Institute of Technology, Anantapur **CGPA: 7.1**
- **STATE BOARD OF TECHNICAL EDUCATIO**N *2019 - 2022*
  Sri Venkateswara Government Polytechnic, Tirupathi **CGPA: 8.1**
- **BOARD OF SECONDARY EDUCATION** *2018 - 2019*
  Ravindra Bharathi School **CGPA: 9.3**

INTERNSHIP

- ***AI Application Developer Intern | Ottocare*** [09/2025-ongoing]

  Designed and developed AI applications including a Hierarchical RAG medical assistant and automation agents using Python, LLMs, vector databases, and prompt engineering.

PROJECT

- **Ottocare – Hierarchical RAG Medical Assistant**

  - **Technology Used:** React, TypeScript, Python, FastAPI, Google Gemini AI, Supabase (Vector Store/Auth)
  - **Tools Used:** Anti-Gravity
  - **Description:** Developed a Hierarchical RAG–based medical assistant with parent-child document indexing and strict grounding to ensure accurate, source-attributed responses from clinical documentation.

- **Support Engine – AI Automation Agent**

  - **Technology Used:** OpenAI GPT-4o, LangChain, Gmail API, JSON Schema
  - **Tools Used:** n8n
  - **Description:** Built an AI automation agent to perform real-time intent analysis on support emails and automatically route tickets while generating brand-consistent responses.

- **Patient & Doctor Management System**

  - **Description :** A console – based hospital management system to manage patients and doctor with features like auto ID generation, CRUD operations, validation (Phone, email, Aadhar) and doctor assignment.
  - **Technology Used :** Python, Sqlite3

- **Detection and Prevention of Termite Infestation Using IoT & Machine Learning**

  - **Description :** Designed a smart IoT-based real-time monitoring system to detect early signs of termite infestation before physical damage occurs. Alerts are sent to users via GSM, with data updates pushed to ThingSpeak for proactive preventions.
  - **Technology Used :** Python, IoT Sensors, Arduino/ESP32, GSM Module, ThingSpeak Cloud Platform

CERTIFICATIONS

- **Project Conference Certificate** – Project presentation at **IRCDICCT International Conference** on *Detection and Prevention of Termite Infestation Using IoT & ML*
  At E.G.S Pilley Engineering college, Tamil Nadu   [04/2025]
- Python Certification by Simplilearn   [03/2025 – 05/2025]
- Upper intermediate English:Business and Industry
  Certification by Edx   [01/2024 – 03/2024]

CO – CURRICULAR ACTIVITIES

- Participated in Coding contest at Rajiv Gandhi Memorial College, Nandhyala, AP.
- Active member in National Service Scheme.
- Contributed to an awareness program on Organic Farming as part of NSS activities.
- As part of NSS, visited a government school to clean the premises and interact with students.
- Visited an orphanage to engage with children.