



P.KRISHNA NAGA CHAITHANYA

Student

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PROFILE SUMMARY

Motivated B.Tech Computer Science student skilled in Python, data analytics, and IoT-based applications. Proficient in building Python projects using libraries like Pandas, NumPy, and Streamlit. Seeking a Trainee Python Engineer role to apply software development and data handling skills in real-world environments.

EDUCATION

B.Tech in Computer Science – Bharath University, Chennai 08/2024 - 04/2026

- Coursework focuses on data analytics, machine learning, and software engineering with hands-on project experience.

Diploma in Mechanical Engineering - KITS Institute of Technology and Science 2021 - 2023

- Program emphasized mechanical systems, industrial training, and applied engineering concepts.

PROJECTS

Ecobin-X: IoT-Based Waste Management System

- Developed IoT solution with sensor data, enabling 24/7 monitoring of 10+ urban waste bins.
- Optimized collection routes → reduced municipal fuel costs by 12%.
- Tech: Python, IoT Sensors, Data Analytics - "Secured 2nd place among 50+ teams in intercollegiate project competition."

Regenerative Braking System Prototype

- Designed prototype converting up to 15% of braking energy into reusable electric energy.
- Focused on efficiency improvement in simulation environment.

Indian Language Translator (Multilingual AI Tool)

- Built a Python–Streamlit app supporting 10+ Indian languages for text and speech translation. Integrated Google Translate, speech recognition, and sentiment analysis for real-time multilingual communication.
- Tech: Python, Streamlit, Googletrans, gTTS, TextBlob

EXPERIENCE

Industrial Training – Assistant, Inspection Team | RANE 12/2022 - 06/2023

- Collaborated with inspection team to ensure quality compliance of 100+ automotive components weekly.
- Assisted in testing and evaluation, ensuring 95% on-time completion of product assessments.
- Identified and reported deviations → supported a 15% reduction in rework cases.

CERTIFICATIONS & INTERNSHIPS

- Data Analytics Process Automation – EduSkills/Alteryx (AICTE) Jan – Mar 2025
- Machine Learning with Python – Embrizon Technologies (AICTE-supported) Nov 2024 – Jan 2025

PROFESSIONAL SKILL

- Programming Skills:** Intermediate Python, Intermediate SQL, HTML
- Tools:** MS Office, Advanced Canva, Basic Power Bi.
- Concepts:** Machine Learning, Data Analytics, IoT Systems, API Integration, D3.js, Chat.js

LANGUAGES

Telugu ●●●●●
English ●●●●●
Hindi ●●●●●