ARIPILLI BHAVANA

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EDUCATION

GITAM (DEEMED TO BE UNIVERSITY), Visakhapatnam, Andhra Pradesh   **08/2022 – 2026**
- Bachelor Of Technology (B. Tech) | Computer Science
- CGPA: 8.02/10.00

WORK EXPERIENCE

Indian Institute of Remote Sensing (IIRS), **ISRO** - Dehradun (On-site)   **05/2025 – 07/ 2025**
- Developed **GEO-Himalaya** – a Flask-based AI chatbot integrated with LangChain and Ollama to answer geospatial queries using government-published vector datasets of Uttarakhand, with support for dynamic **LLM models** (llama3, mistral).
  Leveraged structured metadata to enable accurate, context-specific LLM responses based on official geospatial data without altering the original dataset schema; the chatbot is planned to be integrated into the public GIS portal maps.iirs.gov.in

Defence Research and Development Laboratory (DRDL), DRDO, Hyderabad (On-site)   **05/2024 – 06/ 2024**
- Designed a role-based access control inventory management web application system which led to seamless updates and real-time visibility for all divisions.
- Implemented access control mechanisms, allowing scientists to view only their division's inventory while restricting access to others, leading to enhanced data security and streamlined inventory tracking.

PROJECTS

Startup Ideation, REFUEL – Founder | (Website)   **02/2023 – Present**
- Founded and developing an **on-demand fuel delivery service** designed to revolutionize the way people refuel their vehicles focusing on **convenience, safety, and efficiency** for individual and fleet customers.
- Aiming to serve **1 million** users by 2027, focusing on urban commuters, fleet operators, and rural areas.

AI-Driven Internship & Placement Recommendation System   **02/2025 – Present**
- Addressed the disconnect between student skills, internship and placement requirements and developed an AI-powered platform using Python and React.js to automate internship/placement recommendations by analyzing resumes, skills, and job descriptions via **NLP** and **content-based filtering**, enhancing role relevancy for students.
- **Full-stack platform** with ATS resume analysis, internship search, and real-time collaboration

SKILLS AND CERTIFICATIONS

- **Programming Languages and CS Fundamenals:** C, Python, Data Structures and Algorithms, Computer Networks
- **Technologies:** HTML, CSS, JavaScript
- **Data Base:** SQL
- **Framework and Libraries:** React js, Flask, Matplotlib
- **Data Processing and Analytics:** Data Cleaning, Data Processing, Data Preprocessing, Data Visualization
- **Tools:** Power BI, Tableau, Excel, GitHub, Git, VS Code, QGIS
- **NLP & AI Tools:** Natural Language Processing (NLP), LangChain, LLM integration (LLaMA3, Mistral), Prompt Engineering
- **Additional Skills:** Leadership, Problem Solving, Technical Documentation, Business Development
- **Certifications:** Deloitte Australia Data Analytics (Forage), TATA Group Data Visualization (Forage)

ADDITIONAL INFORMATION

- Secured **Rank 1 in** Cocubes Pre-Assessment among **1,509** students**.**
- **Founder** at Refuel.co | **Finalist** at Levyug's LevUP Ideathon over **327+** participating teams.
- **President**, Throwball SIG GITAM where I revived a dormant SIG and growing core team to **45 members**.