BHEEMARATI PARDHUVA

📞 (+91) 837-435-8489 ✉ pardhuvabheemarati@gmail.com in LinkedIn ⚙ GitHub

EDUCATION

Program	Institute	Year	%/CGPA
Bachelor of Technology	IIIT Sricity	2027	8.63/10
Senior Secondary Education (XII)	Sri Chaitanya College	2023	97.6/100
Secondary Education (X)	Sri Chaitanya School	2021	9.6/10

PROJECTS

HinTel – Telugu–Hindi Machine Translation | NLP, Hybrid Approach   2025

- Designed a hybrid MT system combining rule-based linguistic analysis with statistical language modeling for TeluguHindi.
- Implemented tokenization, POS tagging, transliteration, and dictionary-based mapping for accurate structure alignment.
- Enhanced fluency and grammar using n-gram scoring and post-processing correction rules.

Air Quality Index (AQI) Classification | ML (LR, SVM, DT, NB)   2024

- Developed four ML classifiers from scratch and evaluated them on multi-city and Delhi AQI datasets.
- Built a complete preprocessing pipeline with imputation, encoding, scaling, and SMOTE to handle class imbalance.
- Achieved highest accuracy using Decision Tree (77.6%), identifying PM2.5 as the most impactful pollutant.

Gardenly – Online E-commerce Nursery | React.js, Express, MongoDB   2025

- Developed a responsive React.js frontend with dynamic product listings, filters, and user dashboards.
- Built a secure backend using Express and MongoDB for authentication, order handling, and product management.
- Integrated online payments and optimized the search and browsing workflow for smooth user experience.

SKILLS

Languages	Java, C, Python, JavaScript
Frontend	React.js, HTML, CSS, EJS
Backend	Node.js, Express.js, REST APIs
Databases	MongoDB, MySQL, SQLite
ML / Data Tools	NumPy, Pandas, Matplotlib, Scikit-learn
Tools & Platforms	VS Code, Git, GitHub, Postman, AWS
Core CS Concepts	Data Structures, Algorithms, OOP, OS

POSITIONS OF RESPONSIBILITY

Core Member – GDG, IIIT Sricity   Present

- Actively involved in Google Developer Group initiatives, technical sessions, and community-driven learning activities.
- Collaborated with peers to promote developer culture and hands-on technical skills on campus.

Open Source Contributor – GSSOC   2024 - Present

- Regularly contribute to open-source projects on GitHub.
- Collaborated with developers worldwide to improve software projects.

Core Member – Student Satellite Program, IIIT Sricity   Present

- Contributed to satellite subsystem discussions, research, and technical planning.
- Worked with interdisciplinary teams on space technology–related problem statements.

Core Member – ProShows, IIIT Sricity   2024 - 2025

- Actively contributed to organizing technical and cultural events at the institute.

CERTIFICATIONS

Infosys Springboard Certifications   2025

- Completed *Programming in Java* – Infosys Springboard
- Completed *Data Structures and Algorithms using Java* – Infosys Springboard
- Completed *SQL and Database Management* – Infosys Springboard

CODING PROFILES

- Solved 300+ problems on LeetCode (Profile Link)
- Active participant on HackerRank (Profile Link)
- Active participant on Greeks for Greeks (Profile Link)