

MAHATHI PUPPALA

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EDUCATION

Velagapudi Ramakrishna Siddhartha Engineering College

Bachelor of Technology

- **CGPA:** 9.08

Vijayawada

2022 - 2026

SKILLS

- **Programming Languages:** C, C++, Java, Python, MySQL
- **Frameworks & Web Technologies:** HTML5, CSS, JavaScript, C#
- **Tools:** Google Colab, GitHub
- **Operating Systems:** Windows, Linux
- **Soft Skills:** Time Management, Teamwork, Communication, Adaptability

PROJECTS

- **Metastatic Cancer Detection using Vision Transformers [Link]**
 - Designed and trained a ViT model in TensorFlow for classifying cancerous tissues in histopathology slides.
 - Achieved **92% accuracy**, outperforming CNN baseline by **reducing false negatives** from 6,255 to 1,031 and increasing true positives to 12,183.
- **Uber Ride Data Analysis [GitHub Link]**
 - Analyzed Uber ride request data to identify peak demand times, service gaps, and high-frequency locations using Python, Pandas, and data visualization techniques.
- **Restaurant Database Management System**
 - Built a Restaurant Management System using C# and .NET Framework for order processing, billing, and customer data storage. Included menu display and billing features.

CERTIFICATIONS

- Generative AI by **Google Cloud**
- **Associate Cloud Engineer** Certification by **Google Cloud**
- **NPTEL:** Data Science for Engineers, The Joy of Computing Using Python , Business Analytics & Text Mining Modeling using Python
- **Udemy:** SQL Beginner to Advanced
- **HackerRank:** Python (Basic) Certificate
- **edX:** Java Programming Fundamentals
- **GUVI Skill-A-Thon:** Web Design Course Completion

HONORS & AWARDS

- **Best Paper Award, 4th International Conference on Data Science & Artificial Intelligence (ICDSAI) 2025**, organized by Vidya Jyothi Institute of Technology, Hyderabad, and California State University, USA — for the research paper *Attention-Based Learning for Metastatic Cancer Detection: A ViT-CNN Comparative Study*.
- **Hackathon Winner – Smart India Hackathon 2024 (Internal Round)**
Selected in Top 50 from college for national-level hackathon. Led a team that developed a real-world tech solution.
- **Elite + Silver Certificate, NPTEL** — The Joy of Computing Using Python, and Business Analytics & Text Mining Modeling using Python.
- **Salesforce Developer Super Set Badge**, Trailmix by SmartInternz.
- **Gold Badge, CodeChef** — for excellence in Problem Solving.
- **Top 15 Finalist, CODE STORM Coding Contest, VIT AP.**

LEADERSHIP EXPERIENCE

- **Treasurer – IEEE SMC Student Chapter**
Managed club finances, budgets, and event coordination for 5+ events, reaching over 200 participants. Enhanced organizational, financial management, and event planning skills while collaborating with diverse teams. Improved time management by balancing financial responsibilities with event deadlines.