Tejesh Chowdary Geda

Bengaluru, Karnataka

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🔗 https://github.com/TejeshChowdary10/Projects

Career Objective

A dedicated pre-final year Computer Science student at Amrita School of Computing with a strong foundation in software development, algorithms, and theoretical computer science. Experience includes developing a card validation system and creating an efficient spell checker system utilizing tries. Skilled in analytical thinking, problem-solving, and maintaining a keen eye for detail, applied to every task. Eager to contribute technical expertise and personal strengths to roles in software development and systems engineering.

Education

Amrita Vishwa Vidyapeetham, Bengaluru   **2022 – 2026**

B. Tech in Computer Science and Engineering — CGPA: 8.4   *Bengaluru, Karnataka*

Tirumala Junior Kalasala, Rajahmundry   **2020 – 2022**

12th Standard — Percentage: 95.1%   *Rajahmundry, Andhra Pradesh*

Trips International School, Rajahmundry   **2019 – 2020**

10th Standard — Percentage: 88.2%   *Rajahmundry, Andhra Pradesh*

Projects

***Optimizing Drone Delivery Management: An Algorithmic Framework for Collision Detection and Avoidance with Resource Management** | Java, Algorithms, Networking*   **July 2024 - February 2025**

- Developed an advanced algorithm for drone collision detection and avoidance.
- Implemented Dijkstra, A*, and Bellman-Ford algorithms for optimal path planning.
- Github Repository Link: https://github.com/TejeshChowdary10/Projects/blob/main/DAA.zip

***Decoding Algorithmic Diversity Across Programming Languages using CodeT5+ with Clustering Analysis** | Python, CodeT5+, Clustering*   **July 2024 - January 2025**

- Grouped similar solutions across languages using DBSCAN.
- Used CodeT5+ embeddings for language-agnostic vectorization and validated clusters.
- Github Repository Link: https://github.com/TejeshChowdary10/Projects/blob/main/ML.zip

***An Efficient Spell Checker System for Paragraphs and Baudot Codes Using Tries** | Java, Python, Data Structures*   **January 2024 - May 2024**

- Developed a spell-checking tool improving accuracy with phonetic corrections.
- Incorporated Baudot code for precise decoding and encoded messages.
- Github Repository Link: https://github.com/TejeshChowdary10/Projects/blob/main/DSA.zip

Publications

- Optimizing Drone Delivery Management: An Algorithmic Framework for Collision Detection and Avoidance with Resource Management, ICICACS 2025
- An Efficient Spell Checker System for Paragraphs and Baudot Codes Using Tries, ASIANCON 2024

Certificates

Machine Learning with Python — Coursera   **December 2024**

Source — https://coursera.org/verify/D88GAN1UZITG

The Complete SQL Bootcamp: Go from Zero to Hero — Udemy   **October 2024**

Source — http://ude.my/UC-57f3086b-8148-4db4-9b8d-041710dcc329

Technical Skills

Languages: Java, Python, C, SQL

Technologies/Frameworks: MySQL, Eclipse, pgAdmin 4, Jupyter Notebook

Skills: Problem Solving, Teamwork, Self Control, Time Management

Extra-Curriculars

- Actively participated in competitive cricket demonstrating teamwork, leadership, and sportsmanship.
- Serving as an executive member of Aavishkara, the science club.