**SRAVANI RAVILLA**

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2-22-25/9A Diamond Street 4th line, Kovur Road, Kandukur, Prakasham, Andhra Pradesh

**EDUCATION:**

\*\*Bachelor of Technology (B.Tech)\*\*

* Vallurupalli Nageswara Rao Vignana Jyothi Institute of Engineering & Technology
* Major: Computer Science and Engineering | Expected Graduation: 2025
* CGPA: 8.50

**TECHNICAL SKILLS:**

* + Programming Languages: C, C++, JAVA, PYTHON
  + Structured Query Language (SQL)
  + HTML/CSS/BOOTSTRAP/JAVASCRIPT
  + GITHUB
  + ECLIPSE/SQL Workbench
  + Data Structures and Algorithm
  + Statistics and Mathematics

**PROJECTS:**

BOOK HANDLER

* Enhance virtual book searches by over 500%, optimizing the Library Management System extension.
* Enable users to find book locations remotely, achieving results within milliseconds with an intuitive interface.
* Develop a scalable web-based system accessible to over 1000 users concurrently using servlets, JDBC, and Tomcat technologies.
* Allow users to reserve up to 3 books for specific days and receive automated notifications within minutes for return dates and penalties.
* Demonstrate practical use of JDBC APIs with a user-friendly interface, benefiting more than 3000 users.
* Skills Used: HTML, CSS, JavaScript

TRAFFIC PREDICTION

* Analyse correlations between 20+ car attributes and their prices using advanced machine learning techniques on meticulously prepared data spanning over 10 years.
* Process historical records, handle missing values, and select relevant features for analysis.
* Train a specific algorithm (e.g., linear regression) to detect patterns in vital car variables.
* Achieve over 95% precision in validating model accuracy, utilizing metrics like mean squared error.
* Assist 500+ automotive professionals in making informed decisions and devising pricing strategies through data-driven insights.
* Skills Used: Data collection, cleaning, analysis, and visualization.

**CERTIFICATIONS:**

* + Introduction to Data Analytics - Coursera
  + Introduction to Data Science in Python - Coursera
  + Cloud Computing - IIT Kharagpur
  + Artificial Intelligence - Teachnook

**ACHIEVEMENTS:**

* + Collaborated with a cross-functional team to deliver an impactful paper presentation on the innovative use of ray tracing in real-world scenarios at a prestigious convergence event; shared expertise with 200+ attendees, resulting in fruitful networking opportunities and knowledge exchange. Participated in a project contest in a Convergence event about secure Instagram.
  + Completed an artificial intelligence internship at Teachnook in the duration of 2 months, gaining hands-on experience and obtaining a certification.
  + Participated in a project contest in a Convergence event about secure Instagram.

**VOLUNTEER EXPERIENCE:**

PYTHON BOOT CAMP:

* + Volunteered at a 3-day Python boot camp with nearly 200 participants.
  + Supported a 2-day hackathon stemming from the Python boot camp experience.

**LINKS:**

* + LinkedIn: [linkedin.com/in/sravani-ravilla](linkedin.com/in/sravani-ravilla)
  + Codechef: [codechef.com/users/sravs\_55](https://www.codechef.com/users/sravs\_55)
  + Hackerrank: [hackerrank.com/profile/ravillasravani21](https://www.hackerrank.com/profile/ravillasravani21)
  + LeetCode: [leetcode.com/ravillasravani21](https://leetcode.com/ravillasravani21/)