**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) (2025)**

Vallurupalli Nageswara Rao Vignana Jyothi Institute of Engineering &Technology

Major: Computer Science and Engineering

CGPA:8.50

**PROJECTS:**

**BOOK HANDLER**

* Improve virtual book searches by **over 500%**, enhancing the Library Management System extension.
* Enable users to find book locations remotely, achieving results **within milliseconds** with an intuitive interface.
* Build 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 JDBC API’s practical use with a user-friendly interface, benefiting **more than 3000 users**.
* Skills Used: HTML, CSS, JavaScript

**TRAFFIC PREDICTION**

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

**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

**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 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 project contest in Covergence event about secure Instagram.

**VOLUNTEER EXPERIENCE:**

**PYTHON BOOT CAMP:**

* Volunteered at a 3-day Python bootcamp with **nearly 200 participants**.
* Supported a 2-day hackathon stemming from the Python bootcamp experiencTop of Forme.

**LINKS:**

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