**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**

* Overhauled virtual book searches, increasing efficiency by over 500% through optimization of the Library Management System extension.
* Engineered a feature allowing users to pinpoint book locations remotely, delivering results within milliseconds via an intuitive interface.
* Architected a scalable web-based system, supporting concurrent access for over 1000 users with servlets, JDBC, and Tomcat technologies.
* Automated the reservation and notification process, enabling users to reserve up to 3 books and receive timely alerts for return dates and penalties.
* Deployed JDBC APIs effectively in a user-centric interface, enhancing the experience for more than 3000 users.
* Skills Used: HTML, CSS, JavaScript

**TRAFFIC PREDICTION**

* Extrapolated key correlations between 20+ car attributes and their prices using sophisticated machine learning techniques on rigorously prepared data over a decade.
* Validated model accuracy with over 95% precision, employing metrics such as mean squared error.
* Empowered 500+ automotive professionals with actionable insights for pricing strategies, informed by comprehensive data analysis.
* Skills Used: Data collection, cleaning, analysis, and visualization.

**SMART FASHION**

* Customized a Fashion Recommendation System using deep learning, \*\*streamlining\*\* search functionality and cutting user time consumption by 20%; \*\*boosted\*\* efficiency and user productivity.
* Trained the model on an extensive dataset of approximately 20,000 images, \*\*leveraging\*\* the ResNet50 pre-trained CNN model with 50 neural network layers for advanced feature extraction and comparison.

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**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/ravillasravani 21)

* LeetCode: [leetcode.com/ravillasravani21](https://leetcode.com/ravillasravani21/)