SAHANA RAO

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EDUCATION

- **St Joseph Engineering College, Mangaluru** December 2022- July 2026
  Bachelor of Engineering in Computer Science and Data Science Engineering CGPA: 9.2

- **Vivekanada PU College, Puttur** August 2020- May 2022
  PCMB Percentage : 92

SKILL SUMMARY

- **Technical Skills:** Data Analysis and Visualisation.
- **Programming Languages:** Python, C, Java, R.
- **Developer Tools:** Git/Github, MySQL, VS Code, Jupyter Notebook.
- **Operating Systems:** Windows.
- **Databases And Backed Technologies:** MySQL, MongoDB.
- **Soft Skills:** Leadership, Time Management, Teamwork, Creativity, Adaptable.

KEY PROJECTS

- **Rotten Fruit part Image segmentation**
  - Developed a basic image segmentation system using HSV color space to identify rotten areas in fruits.
  - Processed static and live camera feed images; adjusted color thresholds for improved visual accuracy.
  - Served as a proof-of-concept for quality checks in food sorting.
  - Technologies used: Python, OpenCV, NumPy, matplotlib
- **Social Networking**
  - Analyzed survey data on social media usage using Power BI.
  - Explored trends in screen time, age-based behavior, and device preference.
  - Built a dashboard that summarized findings clearly for non-technical viewers.
  - Technologies used: Power BI, Excel, Python
- **Career Connect Automation Tool**
  - Built an automation workflow in UiPath to extract job requirements from Excel.
  - Automated job searches on Naukri.com based on those inputs.
  - Compiled and emailed job matches to specific users, streamlining the search process.
  - Technologies used: UiPath, Excel, Python
- **River Water Analysis**
  - Cleaned and analyzed a small dataset on water parameters from different river sources.
  - Used clustering techniques to categorize water samples and plotted results for comparison
  - Technologies used: Python, pandas, matplotlib, seaborn, scikit-learn

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CERTIFICATIONS & WORKSHOPS

- **Workshop on Data Analysis:** Used Spyder (Python IDE) for data cleaning and exploration.
- **UI/UX Workshop:** Created a shopping site prototype with user flows and wireframes in Miro.
- **Coursera Certificate:** Completed Introduction to HTML5.