

# PRANSHU RASTOGI

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## EDUCATION

<b>Bachelor of Technology in Computer Science Engineering</b> <i>Vellore Institute of Technology, Vellore</i>	<i>Sep 2022 – May 2026</i> - CGPA: 8.83/10 (Till 5th Semester)
<b>12th Grade (Science - PCM)</b> <i>Shalom Hills International School, Gurugram</i>	<i>March 2021 – July 2022</i> - Percentage: 93.6%

## SKILLS

<b>Programming Languages</b>	Java, Python, C, Cpp, HTML, CSS, JavaScript, SQL, R
<b>Machine Learning</b>	Python Libraries (Pandas, NumPy, Scikit-learn)
<b>Soft Skills</b>	Leadership, Public Speaking, Teamwork, Documentation

## EXPERIENCE

<b>Intern – Aligned Automation</b>	<i>June 2024 – July 2024</i>
<ul style="list-style-type: none"><li>Developed an configurable automated machine learning pipeline using LightGBM and Linear Regression, streamlining model training, evaluation, and deployment.</li><li>Designed the pipeline to support both regression and classification tasks, with full control over configuration through a flexible config.yaml file.</li><li>Enhanced code quality and implemented reusable libraries, gaining hands-on experience in collaborative development.</li></ul>	

## PROJECTS

<b>Flight Delay Prediction and Tracker System</b> - R, Shiny, Plumber, Random Forest, Web Scraping, REST APIs, Plotly
- Developed a real-time flight tracking and delay prediction(RMSE: 8.806) system using R, integrating a custom REST API with a dynamic Shiny dashboard
- Implemented caching to enhance response times by reducing redundant scraping and server load.
<b>Sentiment Analyzer for Product Reviews</b> - Python, NLTK, scikit-learn, Pandas, Matplotlib, WordCloud
- Developed a sentiment analysis model using Logistic Regression and TF-IDF vectorization to classify product reviews with 81.63% accuracy .
- Built an interactive interface for real-time sentiment prediction and visualized insights using WordCloud for positive and negative reviews .
<b>Personal Web Portfolio</b> - Designed a dynamic and responsive personal website using HTML, CSS, and JavaScript.
- <a href="#">Live Website Link</a>

## CERTIFICATIONS

- Azure Data Fundamentals – Microsoft (August 2024)
- Azure AI Fundamentals – Microsoft (July 2024)
- OCI Generative AI Certified Professional – Oracle (July 2024)

## LEADERSHIP & VOLUNTEERING

<b>Senior Core Member</b> <i>RoboVITics (Official Robotics Club of VIT)</i>	<i>March 2023 – Present</i>
- Organized technical workshops and promoted events, improving teamwork and leadership skills.	