

PRANSHU RASTOGI

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EDUCATION

Bachelor of Technology in Computer Science Engineering

Vellore Institute of Technology, Vellore

Sep 2022 – May 2026

- CGPA: 8.82/10 (Till 6th Semester)

12th Grade (Science - PCM)

Shalom Hills International School, Gurugram

March 2021 – July 2022

- Percentage: 93.6%

SKILLS

Programming Languages

Java, Python, C, Cpp, HTML, CSS, JavaScript, SQL, R, PHP

Machine Learning

Python Libraries (Pandas, NumPy, Scikit-learn)

Cyber Security

Kali Linux, Metasploit, Wireshark, Nmap, Vulnerability Analysis, Penetration Testing

Soft Skills

Leadership, Public Speaking, Teamwork, Documentation

EXPERIENCE

AI and DevOps Intern – DBS Tech India

June 2025 – Present

- Completed over 140 hours of assigned training.

- Engaged in AI-DevOps Engineer training, including Operating Systems, RDBMS, Application Security, MariaDB, and DevOps (Docker, Jenkins, Kubernetes, AWS, GitOps, Ansible, CI/CD Pipelines).

- Strengthened Business Communication & Presentation Skills through the Business English for Apprentices (Udemy) programme, covering Business Writing, Public Speaking, and Active Listening.

Intern – Aligned Automation

June 2024 – July 2024

- Developed an configurable automated machine learning pipeline using LightGBM and Logistic Regression, streamlining model training, evaluation, and deployment.

- Designed the pipeline to support both regression and classification tasks, with full control over configuration through a flexible config.yaml file.

- Enhanced code quality and implemented reusable libraries, gaining hands-on experience in collaborative development.

PROJECTS

Flight Delay Prediction and Tracker System - 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.

Sentiment Analyzer for Product Reviews - 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 .

Personal Web Portfolio - Designed a dynamic and responsive personal website using HTML, CSS, and JavaScript.

- [Live Website Link](#)

CERTIFICATIONS

- Azure Data Fundamentals – Microsoft (August 2024)

- Azure AI Fundamentals – Microsoft (July 2024)

- OCI Generative AI Certified Professional – Oracle (July 2024)

LEADERSHIP & VOLUNTEERING

Senior Core Member

March 2023 – Present

RoboVITics (Official Robotics Club of VIT)

- Organized technical workshops and promoted events, improving teamwork and leadership skills.