

PALLETI JESWANTH

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Education

SRM Institute of Science and Technology

Bachelor of Technology in Computer Science Engineering

St. Johns English School and Junior College

10th Percentage: 86.8 (June 2020)

CGPA: 9.10

September 2022 – June 2026

Central Board of Secondary Education (CBSE)

12th Percentage: 90.2 (June 2022)

Technical Skills

- Languages:** C, C++, Python, HTML, CSS, JavaScript, SQL.
- Technologies/Frameworks:** Flask, NumPy, Pandas, Matplotlib, TensorFlow, OpenCV, Scikit-learn.
- Developer Tools:** VS Code, Jupyter Lab, Google Collab, Kaggle.
- Strengths:** OOPS Concepts, Data Structures & Algorithms, Problem Solving Skills, Active Listening and Leadership Skills.

Experience

AWS - Eduskills

Apr 2025 – Jun 2025

AI - ML Intern

Remote

- Gained practical experience with AWS services like S3, Sagemaker, Lambda, and CloudWatch to build, train, and deploy scalable ML models.
- Explored end-to-end ML pipelines including data preprocessing, model tuning, and inference using cloud-native tools.
- Completed real-world labs and case studies on classification, regression, and image recognition tasks, strengthening and understanding the cloud-based Machine Learning workflows and methodologies.

Projects

1. Smart Courier Routing System

- Developed a website that automates optimal route planning for courier deliveries using optimized route-finding algorithms like A* and Dijkstra's algorithms.
 - Used Google's Distance Matrix API to transform delivery points to weighted graph and implemented a variation of Travelling Salesman problem to generate optimal routes across 10+ sample delivery routes.
 - Achieved upto 15% reduction in travel time, significantly enhancing route accuracy and overall logistics performance.
- Tech Stack - HTML, CSS, JavaScript, Flask, Google Maps & Distance Matrix API*

2. Relevance based Research Paper Recommender

- Developed a web-based recommender system for research papers, leveraging NLP (Sentence Transformers) and arXiv API to match user keyword queries with relevant papers.
 - Boosted research efficiency by 40% by integrating a Hugging Face-powered backend with an intuitive frontend, reducing search time and improving the relevance of recommended papers.
- Tech Stack - HTML, CSS, JavaScript, Flask, arXiv API, SentenceTransformers*

3. Receipt Categorization and Extraction System

- Developed an interactive app that extracts, classifies, and organizes receipts using OCR and machine learning.
 - Improved data extraction efficiency by 92% by automating merchant name, price, and category parsing from scanned receipts, drastically reducing manual effort and processing time.
 - Achieved this using Tesseract OCR and regex-based classification for structured data output.
- Tech Stack - HTML, CSS, JavaScript, Scikit-learn, Tesseract OCR, MongoDB*

Certifications

- Azure Fundamentals - Microsoft (2025)
- Problem Solving and SQL - HackerRank (2025)
- AWS Academy Machine Learning Foundations - AWS Academy (2024)

Achievements

- Leetcode:** Solved 200+ problems and ranked among the top 12% globally.
- HackerRank Credits:** Golden Badge (5 Stars) in C++, Silver Badge (3 Stars) in Python, Bronze Badge (2 Stars) in SQL.
- Smart India Hackathon:** Developed a portal to automate institute annual reports decreasing the overall time by 45% with data integration, role-based access, and interactive analytics.
- Volunteered as a Team Lead for an NGO, contributing to digital initiatives and improving online engagement by 30%.
- Scored 97/100 marks in Class 10 Computer Science exam.