

Yashwant Sahoo

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Education

Vellore Institute of Technology, Vellore

Bachelor of Technology in Information Technology (CGPA: 9.55 / 10.00)

Expected July 2027

Vellore, Tamil Nadu

- **Relevant Coursework:** Data Structures and Algorithms (C++), OOPs, DBMS, Software Engineering, Computer Networks, Operating Systems

Royale Concorde International School, Bengaluru

Class XII CBSE (Percentage: 94.6%)

2022-2023

Bengaluru, Karnataka

- **Major Subjects:** Physics, Chemistry, Mathematics, Information Practices

SJR Public School, Bengaluru

Class X CBSE (Percentage: 95.6%)

2020-2021

Bengaluru, Karnataka

- **Major Subjects:** Physics, Chemistry, Mathematics, Information Technology

Experience

ITC Infotech

Summer Data Intern

May 2025 – June 2025

Bengaluru, Karnataka

- Observed the development of a batch data pipeline for an aviation client, utilizing tools like Azure Data Factory, Databricks (PySpark), and Snowflake.
- Gained hands-on understanding of the medallion architecture (Bronze, Silver, Gold layers) used for structured data processing and delivery.
- Replicated simplified proof-of-concept pipelines to practice data loading, transformation, and querying under mentor guidance.

Technical Skills

Programming Languages: C++, Python, Java, C, Dart, JavaScript, SQL

Frontend Technologies: HTML, CSS, Flutter

Backend Technologies: Supabase, NodeJS, ExpressJS

Database: Oracle, MySQL, MongoDB

Cloud Platforms: Microsoft Azure

Data Tools & Frameworks: Azure Data Factory, Azure Databricks (PySpark), Power BI

Version Control & Tools: Git, GitHub

Academic Projects

Flight Delay Prediction Pipeline | AWS, Python, SageMaker, FastAPI, Docker, EC2, Power BI

- Architected a production-grade, end-to-end data and ML pipeline on AWS following the Medallion Architecture.
- Ingested flight delay datasets from Kaggle into Amazon S3, applied schema inference and performed data transformation using Athena CTAS queries.
- Trained and optimized an XGBoost-based flight delay prediction model in Amazon SageMaker and stored model artifacts in S3.
- Deployed the model as a REST API using FastAPI, containerized with Docker, and hosted on AWS EC2 with Nginx reverse proxy.
- Developed Power BI dashboards to visualize airline and route delay trends using curated Gold datasets.
- Flight Delay Prediction Pipeline - [GitHub repository](#)

BudgetBee | Flutter, Supabase, Dart

- Developed a Flutter-based enhanced version of an expense tracking app, enabling users to efficiently manage and categorize their expenses.
- Integrated Supabase authentication for secure user login and sign-up.
- Implemented an interactive expense visualization feature using bar charts and added a swipe-to-delete functionality with an undo option for improved user experience.

- BudgetBee - [GitHub repository](#)

Ootsav | *Flutter, Dart, REST APIs, Figma*

- Building a cross-platform event planning app to manage weddings, birthdays, corporate events, and more, with sub-event support (e.g., Mehendi, Sangeet) featuring timeline, RSVP, and guest group management.
- Designed UI to enable hosts to add/edit event details, send invites, and manage RSVPs.
- Created guest-facing views to access accommodation, timeline, and contact information.
- *Currently under development.*
- Ootsav - [GitHub repository](#)

Social Engagements

Club Member : Senior Core Member at IEEE-CS and Society for Industrial and Applied Mathematics (SIAM-VIT) - Technical Chapters of VIT Vellore