

Yashwant Sahoo

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Education

Vellore Institute of Technology, Vellore <i>Bachelor of Technology in Information Technology (CGPA: 9.59 / 10.00)</i> <ul style="list-style-type: none">• Relevant Coursework: Data Structures and Algorithms (C++), OOPs, DBMS, Software Engineering	Expected July 2027 Vellore, Tamil Nadu
Royale Concorde International School, Bengaluru <i>Class XII CBSE (Percentage: 94.6%)</i> <ul style="list-style-type: none">• Major Subjects: Physics, Chemistry, Mathematics, Information Practices	2022-2023 Bengaluru, Karnataka
SJR Public School, Bengaluru <i>Class X CBSE (Percentage: 95.6%)</i> <ul style="list-style-type: none">• Major Subjects: Physics, Chemistry, Mathematics, Information Technology	2020-2021 Bengaluru, Karnataka

Experience

ITC Infotech <i>Summer Data Intern</i> <ul style="list-style-type: none">• 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.	May 2025 – June 2025 Bengaluru, Karnataka
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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