

# JESWIN SAM JAMES

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Portfolio: [jeswin-samjames.github.io/Jeswin\\_Sam\\_James/](https://jeswin-samjames.github.io/Jeswin_Sam_James/)

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## SUMMARY

Detail-oriented and enthusiastic aspiring data engineer with hands-on experience in Python development, automation, and data integration. Strong foundation in data handling and machine learning, with a growing interest in designing and optimizing ETL pipelines. Eager to explore and implement technologies that used in end-to-end data engineering lifecycle

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## EXPERIENCE

### Data Engineer Trainee – IBS Software, Trivandrum (July 2025 – Present)

- Built a domain-agnostic ETL pipeline using Spark, AWS Glue, S3, and Iceberg with the Medallion Architecture (Bronze, Silver, Gold).
- Automated data ingestion and pipeline configuration using LLM-driven config generation, reducing manual effort. And applied delta load concept for loading data efficiently.
- Converted raw data into Iceberg tables, applied validation/quality checks, and implemented business logic in Athena. Optimized pipelines for scalability and reusability, enabling faster dataset onboarding.
- Collaborated with teams to improve data flow architecture and support analytical workloads.

### Software Developer Trainee - Ecesis Group, Trivandrum (February 2025 – June 2025)

- Developing automation tools to optimize manual workflows in the BPO sector using Python and scripting.
- Built backend services and FAST API for internal product solutions.
- Assisted in transforming BPO operations into scalable automated systems.
- Collaborated with cross-functional teams to deploy features in Agile sprints.
- Gained exposure to Git workflows,

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## SKILLS

**Language & Frameworks:** Python, PySpark, Apache Spark Django, HTML, CSS, JavaScript, Selenium, Fast API

**Cloud & Tools:** AWS, Git, GitHub, Shell Scripting

**Data Engineering:** ETL/ELT Pipelines, Data Ingestion, Medallion Architecture, Data Lakehouse, Data Validation

**Database :** SQL, MySQL Server, Oracle

**Methodologies:** Agile (Scrum), Software Development Life Cycle (SDLC)

**Soft Skills:** Strong analytical and problem-solving abilities, effective communication, independent learner, team player

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## PROJECTS

### MusicLearn Hub

- **Description:** Designed a scalable web application for music academy management, ensuring seamless user interaction and integration with cloud storage solutions and have done automated testing using selenium in every sprint that follows agile methodology.
- **Technologies:** Django, Python, JavaScript, HTML, CSS, AJAX, SQLite
- **GitHub:** [https://github.com/jeswinsamjames/Mini\\_Project.git](https://github.com/jeswinsamjames/Mini_Project.git)

### Face Recognition for Surveillance System

- **Description:** Developed a real-time face detection and recognition system using machine learning. Worked with Dlib and OpenCV to build a high-accuracy model, adhering to coding standards like PEP8. Documented and deployed the project using Flask and Python.
- **Technologies:** Dlib, OpenCV, Flask, Python, SQLite
- **GitHub:** <https://github.com/jeswinsamjames/Face-Recognition-.git>

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## CERTIFICATIONS

- Python for Data Science And Machine Learning, Udemy (2024)
- Scrum Fundamentals Certified, SFC (2022)
- Diploma in IT Programming(C, C++, Java), Livewire (N.S.D.C), Pathanamthitta (2019-2020)

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## EDUCATION

- **Integrated MCA, Amal Jyothi College of Engineering (2019-2024)**
  - APJ Abdul Kalam Technological University, Trivandrum
  - CGPA: 7.11

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## LANGUAGE

- English, Hindi, Malayalam