

Pranav Shinde

Aspiring Software Engineer | Data Engineering & AI Enthusiast
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Professional Summary

Energetic and driven data engineer with a strong foundation in building scalable ETL pipelines, data unification strategies, and real-time analytics systems. Adept at using big data tools, cloud platforms, and ML/AI techniques to deliver actionable insights. Passionate about solving complex problems and building innovative, secure data solutions.

Experience

Data Engineer Intern, Oneqid Technologies Private Limited 2025 – Present
Secure Identity Company, IIT Delhi Research and Innovation Park

- Developed and optimized scalable ETL pipelines using Apache Airflow and Spark for identity and transaction data.
- Integrated Kafka for real-time data ingestion and implemented AWS Redshift as the cloud data warehouse solution.
- Collaborated cross-functionally with product managers and analysts to translate business needs into data solutions.
- Tuned complex SQL queries and improved data latency by 40 percent for critical APIs.
- Ensured secure and cost-efficient storage by automating S3 lifecycle policies.

Education

B.E. in Artificial Intelligence and Data Science, Marathwada Mitra Mandal's COE 2023 – Present
Diploma in Computer Technology, BVJNIOT, Pune 2020 – 2023

Key Projects

Skill Learn (Live Project) 2024 – Present
Full-stack microservices-style education platform used by active learners and instructors.

- Designed scalable architecture using **Spring Boot (Java)**, **Next.js**, PostgreSQL, and AWS S3.
- Implemented REST APIs with JWT-auth, project submission flows, and credential issuing systems.
- Led DevOps with Docker, CI/CD pipelines, and cloud hosting on Railway/Vercel.
- Built analytics dashboards using real-time data to evaluate user progress and submissions.

TuneSync – Real-Time Music Insights Platform 2020 – 2024

- Architected streaming pipelines using Kafka and Spark for user behavior analytics.
- Created ML models for song recommendations and mood-based personalization.
- Optimized cost and storage via AWS S3, Lambda, and Redshift integration.
- Deployed BI dashboards for stakeholders using Grafana and Tableau.

Skills

Languages: Python, Java, SQL, JavaScript, Scala

Big Data: Apache Spark, Kafka, Airflow, Hadoop, DBT

Cloud & DevOps: AWS (Redshift, EC2, S3, Lambda), Docker, Git, Terraform

Databases: PostgreSQL, MySQL, Microsoft SQL Server

Data Engineering: ETL Pipelines, Data Warehousing, Stream Processing

Machine Learning: Predictive Analytics, Feature Engineering, Model Deployment

Web Dev/Systems: Next.js, Spring Boot, REST APIs, OAuth, JWT

Certifications & Achievements

Certifications

- AWS Certified Data Analytics – Specialty (2024)
- Google Professional Data Engineer (2024)
- Data Engineering on Google Cloud – Coursera (2023)

Smart India Hackathon Finalist (2024)

- Developed a blockchain-based verification system for government data.
- Built real-time dashboards and reduced verification time by 30%.

Open Source & Core Values

GitHub Contributions: github.com/py528

Contributing to open data and identity verification APIs. Building modular AI toolkits for fraud detection and analytics pipelines.

Proactive, detail-oriented, and always learning. Passionate about ethical AI, data privacy, and building impactful solutions that drive real-world change.