

# S Abhishek

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## PROFILE

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Experienced Data Engineer and Backend Developer skilled in Python, SQL, data engineering, and distributed systems. Strong focus on building scalable ETL pipelines, optimizing data workflows, automating processes, and delivering business-critical analytics. Proven success improving forecast accuracy, reducing manual effort, and enabling multi-million euro strategic decisions.

## WORK EXPERIENCE

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### Data Engineer

*Rolls-Royce, Bangalore, India*

**Present**

Tech: Databricks, ADF, SQL Server, Python, Power BI, Spark, Cirium, OAG

- Built scalable ETL pipelines for Global Thrust Outlook, improving forecast accuracy by 30 percent and supporting strategic decisions worth over 20 million euros.
- Developed "Know Your Schedules" dashboard for real-time airline analytics, reducing planning time by 40 percent.
- Automated tail forecasting, saving 150+ hours per month and reducing manual work by 90 percent.
- Designed demand models enabling regional jet investments exceeding 10 million euros.
- Enhanced asset availability worth more than 5 million euros via optimized spare engine allocation.
- Integrated EHM data into pipelines, delivering predictive insights for 2,000+ engines.
- Reduced SQL query latency by 45 percent through workflow optimization.
- Built validation tools using Cirium and OAG data, boosting forecast precision by 25 percent.
- Led Medallion Architecture adoption, improving governed access and pipeline performance by 60 percent.

### Data Engineer Intern

*Rolls-Royce, Bangalore, India*

**Previous**

- Migrated Civil Marketing Tool to Power BI, cutting load times by 60 percent and increasing adoption by 35 percent.
- Contributed to annual revenue growth of 11 million euros via operational analytics.
- Automated ADF pipelines, improving reliability by 90 percent and minimizing downtime.

## TECHNICAL SKILLS

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### Languages

Python, SQL, C++, Java, Scala

### Cloud and Big Data

Azure, Databricks, ADF, Spark, Synapse, SQL Server

### Data Engineering

ETL, Data Modeling, Data Warehousing, Medallion Architecture, Automation

## EDUCATION

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### B.Tech in Computer Science

*GPA: 9.73 out of 10*

Amrita Vishwa Vidyapeetham, First Class with Distinction