

# Siddhant Pratap Singh

Uttar Pradesh, India

siddhant19pratap@gmail.com | 8840097852 | LinkedIn | GitHub

## Education

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### •B.Tech - Information Technology

*JSS Academy of Technical Education, Noida. 8.44 CGPA*

2024

### • Class XII

*Woodbine Gardenia School. Percentage: 90.8*

2019

## Experience

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### •Motherson Technology Services Limited

*July 24- Present*

*Engineer Trainee*

Noida

- Working as a Trainee in the Analytics team.
- Leveraging AWS Glue, Athena, S3, CloudWatch, and Lambda to build and monitor scalable ETL pipelines, perform data ingestion and transformation, ensure data quality through validation, and collaborate with analysts to define metrics and deliver actionable insights.

### •Ambak.Com

*March 24- May 24*

*Software Development Intern*

Gurugram

- As an intern, I have gained hands-on experience in API development and integration, server management, and implementing data handling solutions for various projects.
- Proficient in performance optimization, ensuring scalability, and following best practices to deliver reliable and efficient systems

## Personal Projects

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### •Data Pipeline Development for Audi, Skoda, and Volkswagen

*Designed and managed scalable data pipelines for Audi, Skoda, and Volkswagen to drive business insights from automotive sales data.*

- Tools & technologies used: AWS Glue, AWS Athena, AWS S3, AWS CloudWatch, AWS Lambda, PySpark, Python, SQL
- Designed and optimized scalable ETL pipelines using PySpark on AWS Glue to ingest and transform large volumes of sales and planning data for Audi, Skoda, and Volkswagen.
- Instrumented logging and monitoring using AWS CloudWatch and configured alerts via AWS Lambda for proactive issue resolution and performance tracking.
- Defined key business metrics and collaborated with analysts to generate insights that improved operational efficiency and supported strategic decisions.

### •Youtube Data Analysis using AWS

*YouTube Data Analysis is an end-to-end data engineering project built on AWS to process and analyze trending video..*

- Tools & technologies used: AWS Glue, AWS Athena, AWS SNS, AWS Catalog, AWS S3, Pyspark
- Designed and implemented an end-to-end data engineering pipeline using AWS Glue, PySpark, S3, and Athena to ingest, transform, and analyze trending YouTube video data, enabling insights into viewer engagement, content categories, and performance metrics.

### •Crypto Mart

*CryptoMart is a cryptocurrency tracker app developed for monitoring real-time cryptocurrency data*

- Tools & technologies used: React JS, Material UI, and Chart JS, VS Code
- Built CryptoMart, a cryptocurrency tracking application using React JS, Material UI, and Chart JS, integrated with the Coin Gecko API for real-time data retrieval including prices, market caps, and trading volumes, delivering accurate and up-to-date market insights.

## Technical Skills and Interests

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**Languages:** C/C++, Python, Java

**Frontend:** HTML/CSS, Javascript, React JS

**Backend:** Node JS, Express JS

**Developer Tools:** Git/Github, Google Collab, Power BI, VS Code, Jupyter, Apache Kafka

**Frameworks:** Bootstrap

**Skills:** Data Engineering, Data Analytics, PySpark, Pandas, Numpy, Problem Solving, Debugging, Data Modeling, Risk and Controls Awareness

**Cloud/Databases:** Amazon Web Services(AWS), MySQL, Snowflake, Iceberg, Azure(basics)

**AWS Services:** AWS Glue, AWS Athena, AWS S3, AWS CloudWatch, AWS Lambda, IOT Core, MQTT

**Soft Skills:** Leadership, Teamwork and Collaboration, Time Management, Problem Solving, Critical Thinking

**Coursework:** Database Management System, Data Structures and Algorithm, Object Oriented Programming, Operating System

**Certifications:** Informatica MDM and 360 Application Certified, Informatica Data Engineering Certified