

# ATUL PARIDA

US Citizen authorized to work in USA & Singapore

+1 (510) 500-5220 | [atul.parida@outlook.com](mailto:atul.parida@outlook.com) | [LinkedIn](#) | [Website](#) | [GitHub](#)

## EDUCATION

**Bachelor of Engineering in Computer Science**, Honors with Merit

June 2025 (expected)

- Singapore University of Technology and Design, Singapore
- Focus Areas: Software Engineering, Financial Technologies; Minor in Artificial Intelligence

CGPA 3.9/5.0

## TECHNICAL SKILLS

- Python, Java, Scala, SQL, Apache Spark, Hadoop, Kafka, Airflow, TensorFlow, Keras, React.js, NoSQL (MongoDB, Cassandra), RDBMS (MySQL, PostgreSQL, Supabase), Big Data Tools (GCP, Hadoop, Spark)

## WORK EXPERIENCE

**Data Science Intern**

Austin, Texas

QuantumStreet AI

May 2024 to Sep 2024

- Developed ETL pipelines for ETF data with Apache Airflow, reducing RMSE error by 40% and improving directionality by 50%.
- Deployed predictive models (LSTM, LTCNN, CTRNN, ARIMA) that outperformed production models in financial forecasting.

**Undergraduate Researcher**

Singapore

Singapore University of Technology and Design

Jan 2024 to May 2024

- Designed real-time, high-volume image data pipelines for efficient robotic marine ecosystem analysis in dynamic environments.
- Deployed autonomous underwater vehicles with cross-functional teams, streamlining data collection and scalable analytics.

**Software Developer**

Pune, India (Remote)

TwoKey, Inc.

Nov 2023 to Jan 2024

- Designed AI tools for data summarization within shared files using Python and Supabase to enhance user accessibility.
- Developed front-end components and microservices using Redux, Supabase, and PostgreSQL with cross-functional Lean teams.

**Software System Test Engineer Intern**

Singapore

Continental AG

Aug 2023 to Dec 2023

- Collaborated with Agile teams to conduct system and validation testing for automotive analytics in infotainment systems.
- Improved data validation efficiency by 30% using VBA, SQL queries, and BI tools, bolstering product quality and reliability.

## PROJECTS

**Unbind – Book Recommendation Website using React, PostgreSQL & Supabase**

Dec 2024 to Present

- Engineered ETL pipelines and optimized PostgreSQL queries for a scalable book-tracking platform built on React.JS and Redux.
- Integrated OpenLibrary API with Supabase for user account management, data storage and deploying recommendation models.

**Asimov Exchange – Real-Time Stock Market Simulation Platform**

Sep 2024 to Present

- Building a real-time stock trading simulation platform using FastAPI, React.js, and Yahoo Finance API for live market data.
- Deploying the platform on Vercel, utilizing Firebase Authentication and optimized data flows for high-performance scalability.

**Aircraft Identification Telegram Bot using TensorFlow, OpenCV & Python**

Feb 2024 to Mar 2024

- Deployed a Telegram bot with scalable data pipelines to classify aircraft via TensorFlow & OpenCV, trained on 15,000+ images.

**Emergen AI – Business Case Composition using GPT-4 & LangChain**

Jan 2024 to Feb 2024

- Implemented API-based ETL workflows to parse data and provide GPT-4-driven business insights on research articles & topics.

**Bank Churn Classification Models using XGBoost, KNN & Random Forest**

Jan 2024 to Jan 2024

- Built end-to-end ETL pipelines, engineered features and optimized ensemble models for 95% churn prediction accuracy.

## LEADERSHIP EXPERIENCES

**President & Treasurer**

Singapore

Swift Coding Interest Group

May 2022 to May 2024

*Led iOS & macOS app development club at SUTD in partnership with Apple Education, 150 members.*

**President**

Singapore

SUTD Photographic Circle

Mar 2022 to Feb 2023

*Led photography club at SUTD, organized event photography and workshops for students, 70 members.*