

ATUL PARIDA

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EDUCATION

Bachelor of Engineering in Computer Science, Honors with Merit
• Singapore University of Technology and Design, Singapore
• Focus Areas: Software Engineering, Financial Technologies; Minor in Artificial Intelligence

June 2025 (expected)
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
QuantumStreet AI
• 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.

Austin, Texas
May 2024 to Sep 2024

Undergraduate Researcher
Singapore University of Technology and Design
• 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.

Singapore
Jan 2024 to May 2024

Software Developer
TwoKey, Inc.
• 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.

Pune, India (Remote)
Nov 2023 to Jan 2024

Software System Test Engineer Intern
Continental AG
• 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.

Singapore
Aug 2023 to Dec 2023

PROJECTS

Unbind – Book Recommendation Website using React, PostgreSQL & Supabase
• 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.

Dec 2024 to Present

Asimov Exchange – Real-Time Stock Market Simulation Platform
• 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.

Sep 2024 to Present

Aircraft Identification Telegram Bot using TensorFlow, OpenCV & Python
• Deployed a Telegram bot with scalable data pipelines to classify aircraft via TensorFlow & OpenCV, trained on 15,000+ images.

Feb 2024 to Mar 2024

Emergen AI – Business Case Composition using GPT-4 & LangChain
• Implemented API-based ETL workflows to parse data and provide GPT-4-driven business insights on research articles & topics.

Jan 2024 to Feb 2024

Bank Churn Classification Models using XGBoost, KNN & Random Forest
• Built end-to-end ETL pipelines, engineered features and optimized ensemble models for 95% churn prediction accuracy.

Jan 2024 to Jan 2024

LEADERSHIP EXPERIENCES

President & Treasurer
Swift Coding Interest Group
Led iOS & macOS app development club at SUTD in partnership with Apple Education, 150 members.

Singapore
May 2022 to May 2024

President
SUTD Photographic Circle
Led photography club at SUTD, organized event photography and workshops for students, 70 members.

Singapore
Mar 2022 to Feb 2023