

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

- Java, Python, C++, C#, JavaScript (MERN, MEAN, MEVN), TensorFlow, Keras, PyTorch, Scikit-learn, HTML5, CSS, Tailwind, TypeScript, Flask, SQL, Postgres, NoSQL, Supabase, Postman, Firebase, Git, Docker, OpenAI API.
- Soft Skills: Collaboration, Professional Communication, Adaptability, Result-Oriented, Stakeholder Analysis, Agile, Lean.

WORK EXPERIENCE

Data Science Intern
QuantumStreet AI
• Developed scalable ETL pipelines using Apache tools, reducing RMSE error by 40% and improving trend directionality by 50%.
• Built & evaluated predictive models (LSTM, LTCNN, CTRNN, ARIMA), outperforming production models in financial forecasting.

Austin, Texas
May 2024 to Sep 2024

Undergraduate Researcher
Singapore University of Technology and Design
• Designed real-time image data pipelines for efficient and scalable marine ecosystem analysis in dynamic environments.
• Deployed autonomous underwater robots with cross-functional teams, optimizing data collection & enabling scalable analytics.

Singapore
Jan 2024 to May 2024

Software Developer
TwoKey, Inc.
• Designed AI data summarization tools for shared files using Python and Supabase to enhance user accessibility and interaction.
• 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 plan & execute system and validation tests for automotive analytics in infotainment systems.
• Enhanced data validation efficiency by 30% using VBA, SQL, and BI tools, streamlining system performance and reliability.

Singapore
Aug 2023 to Dec 2023

PROJECTS

Unbind – Book Recommendation Website using React, PostgreSQL & Supabase
• Optimized ETL pipelines and SQL queries for scalable book-tracking with React and Supabase, efficiently managing user data.

Dec 2024 to Present

Asimov Exchange – Real-Time Stock Market Simulation Platform
• Built a scalable trading simulator with FastAPI and React using live data from Yahoo Finance API for high-performance solutions.

Sep 2024 to Present

Aircraft Identification Telegram Bot using TensorFlow, OpenCV & Python
• Deployed a Telegram bot for aircraft classification using TensorFlow & OpenCV, trained in real-time on 15,000+ user images.

Feb 2024 to Mar 2024

Personal Portfolio Website using Next.JS, Tailwind, GitHub Hosting
• Developed a responsive personal portfolio with Next.JS, Git & Tailwind, ensuring cross-device accessibility and content updates.

Jan 2023 to Jun 2023

Rentomatic Residential Portal using MERN Stack
• Led an Agile team to build a secure, feature-rich landlord-tenant communication portal with the MERN stack.

May 2023 to Aug 2023

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