

# ATUL PARIDA

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## EDUCATION

**Bachelor of Engineering in Computer Science**, Honors with Merit June 2025 (expected)  
• Singapore University of Technology and Design, Singapore CGPA 3.9/5.0  
• Focus Areas: Software Engineering, Financial Technologies; Minor in Artificial Intelligence

## 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** Austin, Texas  
QuantumStreet AI May 2024 to Sep 2024  
• 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.

**Undergraduate Researcher** Singapore  
Singapore University of Technology and Design Jan 2024 to May 2024  
• 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.

**Software Developer** Pune, India (Remote)  
TwoKey, Inc. Nov 2023 to Jan 2024  
• 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.

**Software System Test Engineer Intern** Singapore  
Continental AG Aug 2023 to Dec 2023  
• 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.

## PROJECTS

**Unbind – Book Recommendation Website using React, PostgreSQL & Supabase** Dec 2024 to Present  
• Optimized ETL pipelines and SQL queries for scalable book-tracking with React and Supabase, efficiently managing user data.

**Asimov Exchange – Real-Time Stock Market Simulation Platform** Sep 2024 to Present  
• Built a scalable trading simulator with FastAPI and React using live data from Yahoo Finance API for high-performance solutions.

**Aircraft Identification Telegram Bot using TensorFlow, OpenCV & Python** Feb 2024 to Mar 2024  
• Deployed a Telegram bot for aircraft classification using TensorFlow & OpenCV, trained in real-time on 15,000+ user images.

**Personal Portfolio Website using Next.JS, Tailwind, GitHub Hosting** Jan 2023 to Jun 2023  
• Developed a responsive personal portfolio with Next.JS, Git & Tailwind, ensuring cross-device accessibility and content updates.

**Rentomatic Residential Portal using MERN Stack** May 2023 to Aug 2023  
• Led an Agile team to build a secure, feature-rich landlord-tenant communication portal with the MERN stack.

## 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.*