ATUL PARIDA

US Citizen, authorized to work in USA & Singapore

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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.