

ATUL PARIDA

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EDUCATION

Bachelor of Engineering in Computer Science, Honors with Merit

- Singapore University of Technology and Design, Singapore.
 - Minor in Artificial Intelligence, focusing on Software Engineering and Financial Technologies.
- ### TECHNICAL SKILLS
- Python, Java, C++, C#, JavaScript, TypeScript (React, MERN), SQL (Postgres, Prisma, MySQL), NoSQL, Docker, Kubernetes, Git, CI/CD, Apache Spark, Hadoop, Kafka, Airflow, TensorFlow, Keras, PyTorch, Supabase, GCP, MongoDB, REST APIs, Microservices.
 - Soft Skills: Agile/Scrum, Lean, Stakeholder Analysis.
- ### WORK EXPERIENCE

Software Engineer

Visa Inc.

Austin, TX

Sep 2025 to Present

- Engineering and deploying full-stack components and microservices for Visa's future products with Payments Platform team.
- Built responsive front-end components and RESTful APIs using Redux, PostgreSQL, and containerized deployment pipelines.

Junior Software Developer

Hitachi Vantara

Austin, TX

Jun 2025 to Sep 2025

- Engineered Kubernetes endpoints and Prometheus log tools, integrating periodic SAST/DAST analysis for CI/CD-based security.
- Integrated bug discovery and developer tooling in Skaffold deployments to reduce testing overheads by up to 80%.

Data Science Intern

QuantumStreet AI

Austin, TX

May 2024 to Sep 2024

- Engineered distributed ETL pipelines with 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.

Software System Test Engineer Intern

Continental AG

Singapore

Aug 2023 to Dec 2023

- Collaborated with Agile teams to conduct system & validation tests for CI analytics in automotive infotainment systems.
- Optimized data validation processes by 30% through SQL query optimization and automated test suite implementation.

PROJECTS

SynPulse - Battery Analytics & Schedule Optimization for Boeing | [Link](#)

Sep 2024 to Apr 2025

- Integrated IoT data streams, custom ML models, and electric aircraft performance simulations for optimized battery scheduling.

MediTrack AI - Pill Monitoring for Senior Citizens using Gradio, Flutter & PyTorch | [Link](#)

Feb 2025 to Mar 2025

- End-to-end app with PyTorch OCR & image classification, handling real-time medication adherence monitoring for seniors.

Unbind - Book Recommendation Website using React, PostgreSQL & Supabase | [Link](#)

Dec 2024 to Jan 2025

- Optimized ETL pipelines and SQL queries for scalable book-tracking with React and Supabase, efficiently managing user data.

Asimov Exchange - Real-Time Stock Market Simulations | [Link](#)

Sep 2024 to Jan 2025

- Built cloud-deployable trading simulations with FastAPI and React using live Yahoo Finance data for high-performance solutions.

Aircraft Identification Telegram Bot using TensorFlow, OpenCV & Python | [Link](#)

Feb 2024 to Mar 2024

- Deployed a Telegram bot for aircraft classification using TensorFlow & OpenCV, continually trained on 15,000+ user images.

Rentomatic Residential Portal using MERN Stack | [Link](#)

May 2023 to Aug 2023

- Led an Agile team to build a secure, scalable and feature-rich landlord-tenant communication portal with the MERN stack.

LEADERSHIP EXPERIENCES

President & Treasurer

Swift Coding Interest Group

Singapore

May 2022 to May 2024

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

President

SUTD Photographic Circle

Singapore

Mar 2022 to Feb 2023

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