ATUL PARIDA

Austin, TX | US Citizen | +1 (510) 500-5220 | atul.parida@outlook.com | Portfolio | LinkedIn | GitHub

EDUCATION

Bachelor of Engineering in Computer Science, Honors with Merit   June 2025
- 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 (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

Junior Software Developer   Austin, Texas
Hitachi Vantara   May 2024 to Sep 2024
- Engineered Kubernetes endpoints and designed Prometheus loggers incorporating periodic static/dynamic analysis logs.
- Handled DevOps and bug discovery tooling for VSP 360 with ticket integration, improving Scrum sprint velocity by 20%.

Data Science Intern   Austin, Texas
QuantumStreet AI   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 Developer   Pune, India (Remote)
TwoKey, Inc.   Nov 2023 to Jan 2024
- Developed cloud-agnostic AI summarization microservices with Python & Firebase with comprehensive test coverage.
- Built responsive front-end components and RESTful APIs using Redux, PostgreSQL, and containerized deployment pipelines.

Software System Test Engineer Intern   Singapore
Continental AG   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   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.