SHAMIT SAI IMANDI

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github.com/Light1224

EDUCATION

BITS Pilani (Goa Campus)   Goa, India
B.E. (Hons.) Electronics & Communication Eng.   2023 – 2027
- Relevant Coursework: Machine Learning, Data Science, Algorithms, Probability & Stats, OOP, Digital Design

SKILLS

Languages: C++20, Python, Java, MATLAB, JavaScript (Node.js, React, Next.js)

ML/DS: Deep Learning, Time Series Forecasting, XGBoost, Prophet, PyTorch/TensorFlow

Tools: Git, Linux, Databases, REST APIs, Grafana

PROJECTS

Mercury – Deep Learning Library in C++
https://github.com/Light1224/mercuryGitHub   2025 – Present

- Developed modular C++20 library with tensor core, FFNN/RNN/LSTM, serialization.
- Optimized with OpenBLAS, delivering up to **40x faster training** vs Python frameworks.

Trading Strategy Backtester
Independent   2025 – Present

- Engineered simulator with Kelly sizing, leverage, drawdown control, Bayesian optimization.
- Backtested 71 equities over 15+ years, executing 9k+ trades with **22–24% CAGR**, Sharpe up to 1.01.
- Integrated analytics (Sharpe, Sortino, Calmar, skew, kurtosis) into an interactive Streamlit dashboard.

Wind Power Forecasting (ML)
SRLDC   May – Jul 2025

- Built XGBoost+Prophet ensemble using weather + generation history; achieved **91% accuracy**.
- Deployed Linux server pipeline for automated 2-hourly forecasts, reducing reliance on costly third-party models.

INTERNSHIP

Southern Regional Load Dispatch Centre (SRLDC) | India   May – Jul 2025
- Designed production-ready ML forecasting system with automated server deployment.
- Integrated with Grafana dashboards for company-wide monitoring.

COMPETITIVE PROGRAMMING

Codeforces Specialist, Rating **1545**   (https://codeforces.com/profile/igetkillsbtw)

LeetCode: 100+ problems solved (https://leetcode.com/u/2BKlCNHGzQ/)

CERTIFICATIONS & AWARDS

- Machine Learning Specialization – DeepLearning.AI & Stanford
- JEE Main 2023: 99.1 Percentile (Rank 759, KCET) | JEE Adv: AIR 7811