Pranjal Kundu

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Skills

Languages: Python, SQL, C, C++, Java, HTML/CSS
Frameworks & Libraries: Scikit-learn, Matplotlib, Seaborn, SciPy, Pandas, NumPy
Backend & Tools: Firebase, GitHub, Jupyter Notebook
Industrial Knowledge: Data Science, OOP, DSA, DAA, CyberSecurity, AI/ML, Indian Power Sector

Work Experience

Shine Portal — Developer & Tester (Internship) *7–9 Months*
Worked as a Developer and Tester on an official academic monitoring portal used by **40+ faculty** and **2500+ students**. Developed and tested role-based dashboards, real-time workflows, and secure authentication mechanisms, contributing to a **40–60%** reduction in manual administrative effort.

Short-Term Load Forecasting — Machine Learning Engineer (Lead Developer) *Jul 2025 – Present*
Led the design and implementation of a hybrid GNN–LSTM–Attention model for 5-minute electricity load forecasting. The project was successfully **published at ANTIC 2025 (Springer)**, focusing on improved short-term power demand prediction.

Projects

Shine Portal — Official academic monitoring platform with role-based access, real-time compliance tracking, and secure workflows for faculty and students.
Live: yashdingar.xyz **Code:** Available upon request

Short-Term Load Forecasting (STLF) — AI-based electricity load forecasting system using GNN, LSTM, and Attention models for 5-minute interval power demand prediction.
GitHub: github.com/10pranjal2005/CrySTLFusion

KairosX — Time-aware cyber-law negligence auditing system that applies law-as-code (HIPAA, GDPR, DPDP) to public breach data to compute the exact moment legal compliance ended and negligence began.
GitHub: github.com/10pranjal2005/KairosX

VERGE (Virtual Energy & Renewable Green Exchange) — Digital clean-energy marketplace integrating VPPAs, power derivatives, AI-driven demand aggregation, and ESG reporting to enable renewable energy access for MSMEs.

Education

Bachelor of Technology (B.Tech) in Computer Science and Engineering *2024 – 2028*
SRM Institute of Science and Technology (SRMIST), Kattankulathur, Chennai
CGPA: Sem 1 – 10.00 — Sem 2 – 10.00 — Sem 3 – 10.00

Awards & Certifications

- Thematic Award Winner — IDEATHON 2025 (SCRS USA @ FIU)
- Thematic Award Winner — OneEarth International Hackathon 2025
- Research Paper Presenter — ANTIC 2025 (Springer)
- NPTEL — Programming in Java (Gold Elite)
- NPTEL — Object-Oriented Design & Programming (Silver Elite)
- IBM Data Science Professional Certificate
- IBM Cybersecurity Analyst Professional Certificate