Pranjal Kundu

2nd Year UnderGrad

Contact

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https://github.com/10pranjal2005

About Me

Second-year B.Tech CSE student at SRMIST, passionate about Data Science, AI, and frontend development. FIU Ideathon Thematic Awardee with keen interest in research and real-world tech solutions. Actively exploring development, innovation, and collaborative opportunities.

Certifications

- NPTEL (Silver Elite Certification-OOP in C++ & JAVA)
- IBM Data Science (Professional Certification)

Awards

- Florida International University Hackathon 2025: Thematic Award Winner
- Washington Hackathon 2025 Finalists

Languages

- English
- Hindi
- Bengali
- French

Education

Higher Secondary Schooling — 2021-2024

DAV Public School Kanyapur, Asansol

- Degree: PCM
- Percentage: 94%

Undergraduate Degree: — 2024-2028

SRMIST KTR, Kattankulathur, Chennai, TN

- Degree: B.tech
- Branch: CSE(core)
- CGPA (1st Sem) : 10.00
- CGPA (2nd Sem) : 10.00

Skils

Tech Stacks:

Python | SQL | C | C++ | JAVA | HTML/CSS | GITHUB | MATPLOTLIB
Scikit-Learn | Seaborn | SciPy | Jupyter | PANDAS | Numpy

Industrial Knowledge:

- Data Science
- Object Oriented programming
- Data Structure & Algorithms
- AI/ML
- Indian Power Sector

Projects

Indian Power Grid Automation

- **Title:** STLF(Short Term Load Forecasting)
- **Brief Description:** AI-based 5-minute short-term load forecasting (STLF) model for India's power grid, integrating weather, demand, and behavioural data using advanced deep learning techniques (LSTM, CNN, Attention). Enabled real-time grid stability, renewable energy integration, and demand-side optimization.

Commercial Space Launch Analysis

- **Title:** Falcon 9 Landing Prediction Using ML
- **Brief Description:** Developed a machine learning model to predict the successful landing of SpaceX's Falcon 9 first stage using mission and payload data. Enabled cost estimation of launches and built interactive dashboards for strategic analysis in a simulated commercial space environment.

References

Dr. Hariharan R.
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Dr. Deeban Chakravarthy V
Associate Professor, SRMIST KTR
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