Arpon Sadhukhan

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Education

- **National Institute of Technology, Durgapur** *Nov 2022 – June 2026*
  Bachelor of Technology - Computer Engineering; CGPA: 8.16
- **Don Bosco, Bandel** *Passing Year: 2022*
  ISC (Class 12); Percentage (Best 4 Sub.): 95.5%
- **Don Bosco, Bandel** *Passing Year: 2020*
  ICSE (Class 10); Percentage (Best 5 Sub.): 96.2%

Skills Summary

- **Languages:** Python, C, C++, C, Java, TypeScript, Ruby
- **Frameworks:**
  - **ML/DL:** Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, TensorFlow, Keras, Hugging Face Transformers, OpenCV, NLP, ANN, RNN, LSTM, Attention Mechanisms, BERT, spaCy
  - **Development:** Flask, Fast API, ReactJS, Tailwind CSS, Electron JS
- **Toolkit:** Git, PostgreSQL, MongoDB, Firebase, Redis, Docker, Kubernetes, Streamlit dashboards, Excel
- **Platforms:** Jupyter Notebook, VS Code, IntelliJ, LINUX, Android Studio, Microsoft Azure, Oracle Cloud
- **Soft Skills:** Leadership, Team Work, Public Speaking, Time Management, Critical Thinking and Reasoning
- **Interests:** Machine Learning, Deep Learning, Web & App Development, Data Structures and Algorithms, Statistics, Business Analytics

Projects

- **Redact-X | LINK:** SIH 2024 Finals project. Built an offline redaction tool to mask PII in various file formats using RoBERTa, BERT, spaCy, and regex. Fine-tuned models on 10M+ records for secure on-device processing.
- **Impruv.com | LINK:** Freelanced for Production-Ready UPSC preparation website with evaluartion features for descriptive answers and an unique credit based system for users and evualuators.
- **PharmaAi |** An agentic AI system built in CrewAi that performs extensive market research, with built pdf pipeline for extensive literature review to streamline drug-discovery efforts.
- **UpscAi | LINK:** An AI based ocr + answer evaluation pipeline that evaluates handwritten UPSC answer scripts and provides feedback for improvement

Experience

- **SWE Internship: Microsoft Corporation** *May 2025 – July 2025*
  - Worked on Azure Monitor for SAP solution.
  - created a common library for emitting metrics from all providers namely SAP-HANA, SAP-NW, Epic, DB2 etc
  - augmented monitor creation workflow to accomodate pipeline changes for the feature
- **SWE Intern: Topflow Technology** *Jan2024 – Apr 2024*
  - Worked on ARM client to create scripts to provision resources in Azure CLoud.
  - wrote professional documentation

Achievements

- **Smart India Hackathon 2024:** Finalist
- Qualified for KVPY SA extended list at class 11
- Achieved WBJEE CRL-898
- Ranked 352 at NEST 2022
- Ranked 501 at IAT 2022
- Top 5% in Amazon ML Challenge 2025

Certifications

- Oracle Cloud Infrastructure Foundational Associate
- Postman API Fundamentals Student Expert
- Oracle Cloud Infrastructure AI Associate

Extra-Curriculars

- **Frank Anthony Memorial Debate State Level Best Speaker**
- **Chair of LSMUN 2024**
- **Published poet with 3 published poems**