

Sayandip Bhattacharyya

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Portfolio

Github

HuggingFace

LinkedIn

EDUCATION

Institution	Board	Standard	Specialization	Result
BPPIMT	MAKAUT	B.Tech.(2025)	CSE	8.79 DGPA
EWMS	CISCE	ISC(2021)	PCMB	92%
EWMS	CISCE	ICSE(2019)	SCIENCE	96.4%

INTERNSHIP EXPERIENCE

- HEVA AI** On-Site, Kolkata
Deep Learning Engineering Intern Sep 2024 - Feb 2025
 - Developed 6 neural networks for detecting neurological disorders using deep learning and signal processing.
 - Conducted extensive research on epileptic EEG data, documenting insights to enhance domain knowledge.
- NIT Durgapur** Hybrid
Natural Language Processing Intern Apr 2024 - Jun 2024
 - Built citation network analysis and automated review systems using SciBERT and Google T5; parsed data, embedded abstracts, and fine-tuned models.
- B.P. Poddar Institute VIP Road Campus Project Lab** On-Site, Kolkata
Student Researcher Jul 2023 - Jul 2024
 - Designed state-of-the-art CNN architectures (RNBNNet, MedNet, CarNet) for digit recognition, malaria detection, and driver distraction detection applications.

PROJECTS

- Q&A Agent System With Document Context And Web Context** : Built using **Gemini 2.0 Flash**; supports document uploads and real-time web search for deeper contextual responses. [Link](#)
- Text to SQL System**: Implemented a **LLM** that can generate SQL from natural language queries, syntactically validate them, and run them on databases to obtain desired results. [Link](#)
- Fake News Detection**: Built a fake news detection system using **Transfer Learning** on textual data. [Link](#)
- Driver Monitoring System**: Developed a model that can detect micro-sleep and yawning in drivers through videos. [Link](#)

SKILLS

Languages: Python **Frameworks:** TensorFlow, PyTorch, Scikit-Learn **Domains:** NLP, Computer Vision
Technologies: CNNs, LLMs, GCP, Hugging Face **Tools:** Google Colaboratory, Visual Studio Code

RESEARCH PUBLICATIONS

- International Conference on Computing, Intelligence & Application**: BestNet: Advancing MNIST Handwriting Recognition (Accepted, Springer Proceedings) June 2025
- International Conference on Artificial Intelligence & Sustainable Computing**: GlaucoNet: A Novel and Computationally Sustainable Glaucoma Detection System (Accepted, Springer Proceedings) June 2025
- International Conference on Artificial Intelligence & Sustainable Computing**: GreenNet: A Low-Cost Solution for Plant Disease Detection (Accepted, Springer Proceedings) June 2025
- International Conference on Artificial Intelligence & Sustainable Computing**: CarNet: An Innovative and Cost-Effective Driver Monitoring System (Accepted, Springer Proceedings) June 2024

ACHIEVEMENTS

- SAP SIT ICOE Hackathon**
Won 1st place for finetuning an open-source LLM for unparallel grading alongside explainable AI Apr 2024
- Jadavpur Deep Learning Hackathon**
Secured top 3 position for developing a computer vision model and language modeling Feb 2024

CERTIFICATIONS

- NPTEL Introduction to Large Language Models (LLMs) from IIT Delhi and IIT Bombay (Elite)** May 2025
- NPTEL Cloud Computing from IIT Kharagpur (Elite + Silver)** Nov 2024
- NPTEL Deep Learning Course from IIT Kharagpur (Elite)** May 2024
- NPTEL Introduction to Machine Learning from IIT Madras** Nov 2023
- NPTEL Data Structures and Algorithms with Python from IIT Madras** May 2023