

Srijit Das

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EDUCATION

College/University

B.E. Computer Science and Engineering

Dayananda Sagar College of Engineering

September 2024

Current SGPA: 8.65/10.0

2024 - 2028

SKILLS

Languages: C/C++, Python

Frameworks and Libraries: Numpy, Matplotlib, Flask, TensorFlow, PyTorch, Scikit-learn, Kornia, React, Node.js

Tools: Git/GitHub, VS Code, Anaconda, Jupyter Notebook, Docker

Competitive programming: Leetcode- 1569

PROJECTS

Mar-Eye | *TensorFlow, matplotlib, streamlit, Keras, Google Colab, scikit learn* [🔗](#) October 2025

- CNN for underwater raw image enhancement, trained YOLO multi-class detection (**submarines, mines, divers**)
- App Router with RESTful API routes, model inference, MongoDB data storage, JWT authentication, OTP verification
- TensorRT quantization for NVIDIA Jetson devices, ONNX Runtime for cross-platform inference for AUV/ROV deployment with low-latency maritime security operations
- Link: mareye-sih.onrender.com

Web3-Crowdfunding | *Solidity, Typescript, Javascript, Metamask* [🔗](#) September 2025

- A CrowdfundingFactory deploys individual Crowdfunding contracts, using a factory pattern to reduce gas costs.
- Backers send ETH (Sepolia) to campaign contracts, funds are held in escrow till the funding goal is met.
- Owners use the onlyOwner modifier for tier management; failed campaigns can reclaim contributions, executed on-chain through immutable smart contracts.

Oceanova | *Jupyter Notebook, TypeScript, Python, React* [🔗](#) September 2025

- Collaborated within a team to engineer a comprehensive platform to revolutionize marine conservation, featuring species identification from images, real-time ocean contamination monitoring, and gene sequence analysis.
- Worked with the team to integrate an AI assistant for instant query resolution and an ocean data explorer for detailed environmental parameters
- Integrated the python based model using flask wrapper so that the python based model doesn't get exposed

LiquidPay | *TypeScript, Python, React* [🔗](#) April 2025

- Built an AI-powered personal finance app that analyzes spending habits, generates personalized saving goals, and rewards users with token incentives — full-stack implementation (TypeScript/Next.js frontend + Python ML backend).
- Developed and integrated ML modules to model user spending behavior and generate automated goal recommendations, enabling behavior-modification workflows.
- Implemented a modular, componentized frontend using TypeScript and Tailwind (Next.js project structure), and maintained the project through an active commit history.

ACHIEVEMENTS

- **Hacktoberfest 2025:** Cleared the event with 6 accepted PRs across multiple repositories.
- **Felicity hackathon:** Selected as one of 15 finalist teams out of 200+ entrants at the Felicity Hackathon
- **Cleared SIH Internal Round, DSCE:** Developed a CNN for underwater image enhancement (2025)
- **BruteForce: 1st Runner Up,** built an automated admin mapped pet servicing platform (2025)
- **Cosmys ML Kaggle hackathon:** In 3rd Round [continuing], CNN voice classifier trained on VM GPU
- **Instruo'13:** Secured the 2nd Rank at IIEST Shibpur