Samudra Mukhar Goswami

☎ +918336977499 **✉ samudramukhar@gmail.com** **in LinkedIn** **⌂ GitHub**

EDUCATION

Heritage Institute Of Technology Oct 2022 – June 2026
*B.Tech in Electronics and Communication Engineering - **CGPA** - **8.1*** *Kolkata,WB, India*

Julien Day School April 2007 – March 2022
*Primary Schooling - **Percentage** - **95.4%*** *Kolkata,WB, India*

EXPERIENCE

Splitwizer ↗ July 2025 – Present
Opensource Contributor *Remote*

- Architected secure image upload pipelines with validation and Firebase Cloud Storage.
- Improved authentication service tests and CI/CD coverage using pytest.
- Delivered scalable, resilient backend services with FastAPI and Firebase

Ardent Computech ↗ June 2025 – July 2025
Generative AI Trainee/Intern *Kolkata, India*

- Built FastAPI microservice for ESRGAN image upscaling (<200 ms latency)
- Enhanced model performance and delivered reproducible deployment scripts

PROJECTS

Simple Bank API ↗ / Go, PostgreSQL, Redis, AWS ECR June 2025

- Designed secure banking API with transaction workflows, authentication, and RBAC, deployed with CI/CD pipelines on AWS ECR and asynchronous task queues.

Movie Recommender System ↗ / NextJS, FastAPI, PostgreSQL, Redis, REST February 2025

- Developed backend recommender with NLP-based content filtering and async caching increasing throughput by 40%

Stock Prediction Microservice ↗ / Streamlit, FastAPI, Go, REST June 2025

- Built modular backend microservice with async APIs and scalable deployment
- Demo Link

TECHNICAL SKILLS

Languages: Python, C/C++, Go
Technologies/Frameworks: Streamlit, Docker, AWS Cloud Computing (ECR, EKS, RDS, IAM), Gin, FastAPI, REST, gRPC, GitHub actions, Firebase, Microservices
Databases: PostgreSQL, Redis, MySQL, MongoDB
Developer Tools: Git and Github, VSCode, Render, Vercel
Concepts: Distributed Systems, Web App Architecture, System Design, Secure File Handling
Machine Learning: Pytorch, Tensorflow, Scitkit Learn

CERTIFICATES

- Get Started with Redis | **Redis University**

- Machine Learning A-Z | **Udemy**

- Backend Masterclass with Go | **Udemy**

- Data Analysis with Python | **freeCodeCamp**