

Sreetam Ganguly

sreetam.se@gmail.com | <https://sr.sgy.co.in> | +91 891 049 6844

Technical Proficiencies

- **Programming & Frameworks:** Python, TypeScript, Node.js, C++, TensorFlow, PyTorch, Keras, Loopback4
- **AI/ML:** Machine Learning, Deep Learning, Computer Vision, Generative AI (OpenAI, Llama, Titan)
- **Data & Databases:** Pandas, SciKit Learn, MySQL, PostgreSQL, NoSQL
- **Cloud & DevOps:** PostgreSQL, Pinecone DB, NoSQL, AWS OpenSearch
- **Tools:** Git, Apache2, Twilio API, Gupshup API, Vapi API

Professional Experience

- **Adyakshar Labs (Kolkata, India)** – Software Development Engineer (December 2023 – September 2024)
Led backend development for high-impact projects in Digital Health, AgTech, and FinTech, improving performance by 30% through scalable solutions.
Designed and implemented backend architectures using AWS and Loopback4 for seamless integration with front-end applications.
Contributed to the development of Generative AI solutions for client projects, enhancing operational efficiency.
- **REBEL Foods Pvt. Ltd. (Mumbai, India)** – Data Analyst (July 2022 – December 2023)
Developed predictive models for sales forecasting, improving resource allocation by 20%.
Implemented customer segmentation and targeted retention strategies, resulting in a 15% less churn.
Conducted A/B testing, driving 12% higher conversion rates through optimized marketing strategies.

Education

- **M. E. in Computer Science & Engineering (CSE) (Specialization: AI and Data Science) (2024 – 2026)**
Jadavpur University
- **B. Tech in Computer Science & Technology (CST) (2018 – 2022)**
Indian Institute of Engineering Science and Technology (IIST), Shibpur

Key Commercial Projects

- **RiteFood** (<https://ritefood.onehealthdigital.com/>)
Contributed to backend development for an AI-powered health and diet tracking platform that integrated real-time analytics, increasing customer retention by 80%.
Technologies: Loopback4, Python, PostgreSQL, AWS, Cloudflare, Apache2
- **Mipece** (<https://mipece.com/>)
Built backend infrastructure for a business management tool leveraging Pinecone DB and AWS OpenSearch, improving operational efficiency by 15% for MSMEs.
Technologies: AWS, Loopback4, TypeScript, PostgreSQL, Pinecone DB, Kaleido
- **Find Your Card UAE** (<https://wa.me/message/CY4NSQV77ZVPB1>)
Developed the backend for a WhatsApp-based chatbot integrating APIs from Gupshup and Facebook, facilitating enhanced customer interactions.
Technologies: Loopback4, TypeScript, PostgreSQL, Apache2, AWS, Gupshup API, Facebook API
- **Lily from Leadvert**
Worked on the backend for an AI-powered customer engagement cellular call chatbot, improving lead conversion rates by 18%.
Technologies: VAPI, Loopback4, TypeScript, PostgreSQL, AWS, Cloudflare, Apache2

Research Experience

- **Deep Anomaly Detection and Classification Using Sub Complete Dual ANNs** (Feb 2021 – May 2022)
- **Novel Fast Training High Accuracy Neural Network** (January 2021 – July 2021)
- **Context Aware Risk Management System** (May 2021 – May 2022)