



Saumok Kundu

Final Year B.Tech Undergrad Student

AI Engineer & Full-Stack Developer specializing in Agentic AI and Intelligent Automation. Expert in architecting scalable platforms with Next.js 16, FastAPI, and Supabase. Proven track record in transforming complex datasets into actionable insights via RAG and Python-driven pipelines to optimize enterprise workflows.

AA17/1 Deshbandhu Nagar, Baguiati, Kolkata, West Bengal, 700059, India

saumokkundu14814@gmail.com

+91 6289191484

Saumok Kundu

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SKILLS

Programming & Scripting

Python(NumPy, Scikit-learn, pandas), C, C++, Java, LangChain, AutoGPT, Vector Databases

Data Engineering & Preprocessing

SQL and Excel, Data cleaning, Feature engineering, Outlier detection

Automation & Integration

API testing, Sensor Integration, IoT data collection & preprocessing

AI/ML Skills

Machine Learning, Large Language Models, Fine-Tuning & Prompt Engineering, Retrieval-Augmented Generation (RAG)

Tools & Technologies

Git/GitHub, Postman, AWS, FastAPI

Problem-Solving & Collaboration

Critical Thinking, Communication Skills, Team Collaboration, Quick Learning Ability, Problem Solving

INTERESTS

Study Related

Attending Hackathons, Learning new skills, Mind mapping problems, Brainstorming

Outdoor Exploration

Trekking & Hiking, Backpacking, Road Trips, Camping

LANGUAGES

English

Expert

German

Beginner

EDUCATION

Pramila Memorial Institute

Higher Studies , Computer Science

82%

Sister Nivedita University

Undergraduate, B.TECH in CSE(AI-ML)

(04/2022 - 06/2026)

7.86

EXPERIENCE

Sichuan Vocational College of Information Technologies

IoT Developer

(04/2025 - 06/2025)

- Engineered Python pipelines for real-time sensor data, ensuring 100% consistency for automation.
- Optimized system reliability through automated data validation and API testing workflows.

Employability.life (Federation University)

AI/RPA Developer

(04/2025 - 06/2025)

- Delivered 6 Agile-based RPA projects, including Excel and Email automation, with a 3.2/4 professional rating.
- Developed an AI-enabled intelligent RPA system for automated supplier invoice processing.

PROJECTS

KrishiVision | Zero-Latency AgriTech PWA

Edge AI: Used TensorFlow.js for instant, 100% offline crop disease diagnosis.

Zero-Hallucination: Linked AI classification to Supabase for expert-verified remedies.

Localized UX: Built a Next.js 14 PWA supporting 9 languages for low-bandwidth access.

Secure Trade: Integrated an OTP-authenticated P2P marketplace with Supabase RLS.

↪ <https://krishivision.vercel.app/>

AI-Powered CRM Automation Platform

Architected a scalable multi-service platform using Flask, Supabase, Next.js, and n8n.

Implemented REST APIs and JWT-based RBAC for secure, real-time data management.

Engineered a provider-agnostic WhatsApp automation layer with event-driven workflows to optimize engagement.

↪ <https://leadstiq.vercel.app/>

SocialPilot – AI Social Media Manager

Built an AI-driven social media automation platform using FastAPI, React, and OpenAI API that automates posting, analytics, and engagement across multiple platforms.

CERTIFICATIONS

IBM RAG and Agentic AI Professional Certificate

IBM

(07/2025)

Applied Machine Learning in Python

University of Michigan

(06/2025)