

# Srinjan Ray Banerjee

BTech – Computer Science & Communication Engineering | KIIT University

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## About

Computer Science undergraduate focused on Artificial Intelligence, backend systems, and developer tools. Hands-on experience in Python, machine learning, and LLM integration with projects in automation, diagnostics, and data systems.

## Skills

Languages	Python, Java, C, SQL
AI/ML	NumPy, Pandas, Scikit-learn, LLM Integration
Tools	Git, Linux, LangChain, Ollama

## Projects

### PyQueryX – Python SQL Toolkit

- Built DB-API wrapper simplifying queries, transactions, and configuration
- Supports SQLite, PostgreSQL, MySQL, Oracle with reusable utilities
- Reduced boilerplate and improved database workflow efficiency

### SomatoScan.AI

- AI system for early neurological disorder detection via touch signals
- Signal processing pipeline analyzing pressure/movement variations
- ML models used for identifying motor precision anomalies

### Jarvis – LLM Assistant

- Voice/text assistant with Ollama-based local LLM integration
- Supports automation: web search, app control, system commands
- Speech recognition + TTS for interactive user experience

## Education

BTech CSE, KIIT University (2024–2028) | GPA: 8.35

## Coursework

Data Structures & Algorithms, DBMS, Operating Systems

## Certification

IIT Kanpur – AI/ML