

# Sanjoy Kumar Das

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## Professional Summary

AI Engineer & Full Stack Developer with 16+ years of experience across software development, AI engineering, data analysis, and enterprise database administration. Skilled in building LLM-powered applications, full-stack systems using React & Flask, and cloud deployments on AWS, Azure, and GCP. Holds an MEng in Artificial Intelligence from Toronto Metropolitan University and professional experience at PledgX Inc. since 2022.

## Technical Skills

**Programming:** Python (Flask), JavaScript, Ruby, PHP, Node.js, React.js, Next.js  
**AI & GenAI:** OpenAI API, LangChain, Hugging Face, LlamaIndex, ChromaDB, FAISS  
**Machine Learning:** TensorFlow, Keras, Scikit-learn  
**Cloud:** AWS, Azure, GCP  
**Databases:** PostgreSQL, MySQL, MariaDB, MongoDB, Oracle 11g  
**Tools:** GitHub, Jest, Cypress, Storybook, Chrome DevTools  
**Scripting:** Python, Bash, Shell  
**Big Data:** Hadoop, Spark, Hive, Elasticsearch

## Professional Experience

### Full Stack Developer – PledgX Inc. (2022 – Present)

- Develop full-stack applications using React.js, Flask, and SQL-based backends.
- Build AI-powered features using OpenAI API and vector database search.
- Design and maintain REST APIs, authentication flows, and microservices.
- Deploy and optimize cloud environments on AWS and GCP.
- Enhance production-level UI/UX and application performance.

### Data Analyst – Teletalk Bangladesh Ltd. (2013 – 2020)

- Conducted data analysis and automated reporting using SQL & Python.
- Built revenue reporting and SMS platforms using PHP & MySQL.
- Performed analytics on massive telecom datasets to support business decisions.

### Junior Database Administrator – Teletalk Bangladesh Ltd. (2008 – 2013)

- Managed enterprise database performance, capacity, and security.
- Automated system processes with SQL and shell scripting.
- Handled KPI monitoring, incident response, and system integration tasks.

## Education

**MEng in Artificial Intelligence** – Toronto Metropolitan University  
**Diploma in Full Stack Web Development** – Lighthouse Labs, Toronto  
**B.Sc. in Computer Science & Engineering** – DUET, Bangladesh