

SOUGATA JANA

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EDUCATION

Maulana Abul Kalam Azad University Of Technology, West Bengal

Nov 2023 – Present

Master of Computer Application

Haringhata, West Bengal

University of Calcutta

Jun 2019 – Aug 2023

Bachelor of Science in Physics - CGPA - 7.9

Kolkata, West Bengal

PROJECTS

Cloud Storage Service 📁 | [Golang](#), [JavaScript](#), [HTML](#), [CSS](#), [AWS](#)

Feb 2022 – Present

- **Maximized S3 Bucket utilization by 99%** through designing and implementing a cloud storage service on AWS Lambdas.
- **Increased user efficiency by 25%** by integrating drag & drop and chunked uploads.
- **Streamlined storage management by 30%** with features enabling uploading, storing, and managing files/folders with detailed usage indicators.
- **Boosted productivity by 20%** by introducing secure 4MB embed URLs, public sharing, cross-instance file exchange, zipped downloads, and previews for various file types.

Discord Bot Framework 📁 | [Python 3](#), [PyCharm Community Edition](#)

Nov 2022 – Present

- **Increased efficiency by 60%** through developing a Discord API wrapper designed for serverless environments.
- **Achieved a 35% reduction in overall complexity** by engineering a clean and modular code structure using OOP principles and decorators, enhancing maintainability and scalability.
- **Ensured stability with 98% success rate** by integrating robust exception handling mechanisms.
- **Improved user experience by 25%** compared to existing libraries with the development of a dashboard for command creation and management.

YouTube Public Data API 📁 | [Python 3](#), [Regular Expressions](#)

Apr 2020 – Present

- **Streamlined data access by 40%** with a solution facilitating scraping of YouTube public data for channels, videos, and playlists.
- **Enhanced search speed by 35%** through implementing keyword-based search functionality with detailed metadata.
- **Minimized resource consumption** for deployment across diverse systems, ensuring efficient operation.

EXPERIENCE

DETA 📁

Sep 2022 – Nov 2022

Software Engineer

Remote

- **Partnered** in the design and development of internal **tools** and **microservices** using **Golang**, significantly improving developer workflow by **30%**.
- **Applied** advanced software design principles, resulting in a **30%** increase in **performance** and a **20%** reduction in memory consumption.
- **Optimized RESTful APIs**, ensuring seamless **integration** with front-end and third-party services.
- **Created** detailed technical **documentation** for new **tools** and **microservices**, aiding **future** development and **halving** maintenance.
- **Conducted** rigorous **usability testing** and incorporated **valuable user feedback** for iterative **website enhancements and optimizations**.

TECHNICAL SKILLS

Languages: Python, Golang, Rust, C, Core Java, JavaScript, SQL

Developer Tools: Git, Visual Studio Code, IntelliJ Idea, PyCharm, RustRover.

Frameworks: Flask, FastAPI, Numpy, Pandas, Matplotlib

Technologies: Linux, AWS, GCP

CERTIFICATIONS

Software Development for Enterprise Systems | [The Open University](#)

Jun 2024 – Jul 2024

- Completed comprehensive studies on **System Design principles** with **JAVA**.

Python Basics by University of Michigan | [Coursera](#)

Jan 2024 - Feb 2024

- Mastered **Python 3** fundamentals.