Aaron Biswas

9165158283 | savybiswas15@gmail.com | github.com/AaronBiswas

About

I am a Computer Science graduate with foundational experience in the MERN stack. I am constantly upskilling myself and learning new technologies.

Projects

SmartCal — *Python, MySQL, OpenCV, Kivy, Pyzbar*   June 2023 – November 2023
- Developed a personalized calorie tracking app that suggests food items with lower cost and calories.
- Used OpenCV and Pyzbar to scan barcodes of food items.
- Stored scanned food item data in MySQL.
- Developed the application entirely in Python.

DataSentinel — *Python, Socket Programming, Cryptography, Hashing*   November 2023 – March 2024
- Developed a secure peer-to-peer file sharing system for efficient and secure data exchange.
- Implemented AES encryption, MD5 checksum verification, and socket communication.
- Ensured confidentiality and integrity of files during transmission to enhance privacy and data security.

Education

Christ University   Bangalore, India
Bachelor of Technology in Computer Science and Engineering (Internet of Things)   *September 2020 – April 2024*

Technical Skills

Languages: Java, Python, C, SQL
Developer Tools: GitHub, VS Code, MySQL
Libraries: pandas, NumPy, Matplotlib, OpenCV, hashlib, Pyzbar, Socket, AES
MERN Stack: MongoDB, Express.js, React, Node.js