

Abinan Jeyachandran

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EDUCATION

B.Eng in Computer Engineering

Toronto Metropolitan University

Apr 2025

Toronto, Ontario

PROFESSIONAL EXPERIENCE

Sales & Business Development Intern

Sharpstakes Inc

Jun 2025 – Jan 2026

Toronto, Ontario

- Engineered **data scripts** via **Excel Macros** to standardize inputs, ensuring **consistent CRM data** reliability.
- Automated **CRM reports** using **VBA scripts** to remove manual data entry, cutting **weekly team efforts** by 25%.
- Refined **backend logic** with **Dev teams** to optimize workflows, improving **team operational outputs** efficiency.
- Managed **vendor data** via **SQL formatting** to ensure integrity, supporting **total system scalability** growth.

Operations & Technology Intern

All Bright LTD

May 2024 – May 2025

Toronto, Ontario

- Enhanced **CI/CD readiness** via **digitized logs** to optimize flows, reducing **scheduling delays** by nearly 30%.
- Built **automation scripts** via **Python code** to streamline reporting, eliminating **manual data errors** entirely.
- Structured **logs** via **tagging logic** to simplify tracking, improving **performance monitoring** speed metrics.
- Resolved **bottlenecks** via **diagnostic tests** to patch flaws, restoring **core system uptime** stability levels.

PROJECTS

Learning Path Recommender

React, Node.js, Express, Tailwind, OpenAI API

[Github](#)

- Built **full-stack apps** via **React/Node.js** to generate roadmaps, delivering **customized user learning** paths.
- Engineered **APIs** using **Node.js/Express** to manage state, enabling **persistent tracking** of user data metrics.
- Optimized **UI rendering** via **Tailwind CSS** to reduce load times, ensuring **fluid mobile responsiveness** flow.
- Implemented **async logic** via **Promises** to manage API requests, ensuring **scalable system operations** growth.

Football Match Prediction

Python, Scikit-learn, Pandas, Data Analysis

[Github](#)

- Trained **ML classifiers** via **Scikit-learn** to forecast results, achieving **outcome accuracy** levels of 75%.
- Engineered **data features** via **Pandas** to refine variables, optimizing **input dataset quality** performance.
- Automated **data scraping** via **Python scripts** to fetch live stats, ensuring **real-time statistical** updates.
- Visualized **trends** via **Matplotlib** to extract key insights, driving **data-backed performance** metrics growth.

Secure Banking System

Python, AES, HMAC, Socket Programming

[Github](#)

- Architected **microservices** via **Python** to isolate logic, protecting **assets** from **web vulnerability** threats.
- Integrated **AES encryption** via **HMAC** to secure sensitive payloads, ensuring **total data confidentiality** logs.
- Built **logging systems** via **secure storage** to monitor traffic, enabling **rapid system issue** diagnostics.

Encrypted File Transfer

Python, Tkinter, Cryptography, Socket Programming

[Github](#)

- Implemented **AES-256 logic** via **Python** to encrypt payloads, ensuring **secure data transmission** protocols.
- Deployed **multi-threading** via **Socket API** to handle uploads, increasing **system throughput** by roughly 50%.
- Designed **GUI front-ends** via **Tkinter** to simplify file transfers, reducing **user setup time** requirements.

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, TypeScript, HTML, CSS, C, C++, SQL, Bash/Shell

Libraries & Frameworks: React, Node.js, Express, Tailwind CSS, Scikit-learn, Pandas, Matplotlib, Tkinter, OpenAI API

Systems & Concepts: Socket Programming, Multi-threading, AES/HMAC Encryption, REST APIs, Microservices, Async/Await