

# FIYINFOLUWA AFOLAYAN

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## EDUCATION

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### Howard University

Bachelor of Science in Computer Science

May 2026

GPA: 3.97/4.0

**Relevant Coursework:** Software Engineering, Mobile Application Development (iOS), Natural Language Processing, Cloud Computing

## TECHNICAL SKILLS

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**Languages:** Python, C/C++, JavaScript, PHP, HTML, CSS, SQL, Swift, Java

**Frameworks/Tools:** React, Apache Thrift, Node.js, Express, Prisma, Database Management, Git, Linux, Github

**Certifications:** AWS Certified Cloud Practitioner

## EXPERIENCE

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### Meta (NASDAQ: META)

Software Engineering Intern

Menlo Park, CA

May 2025 – Aug. 2025

#### Payments Platform - Financial Insights Team (Payment Reconciliation & Financial Reporting)

- Developed a manual file ingestion interface using **React** and **Python**, enabling secure uploads of settlement files from external payment providers during pipeline outages — increasing reliability of the **payment reconciliation system** and reducing month-end close delays by **40%**, supporting accurate reporting of **\$70B+** in financial data.
- Designed and implemented backend APIs with **Thrift** and **GraphQL** to support file validation, parsing, and ingestion workflows, enabling robust processing of diverse formats and multipart file configurations
- Engineered backend workflows to fetch, archive, and ingest uploaded files into **Hive** partitions, coordinating asynchronous jobs to ensure data integrity and improve pipeline resilience

### Meta (NASDAQ: META)

Software Engineering Intern (Meta University)

Menlo Park, CA

June 2024 – Aug. 2024

#### ShareCal

- Developed a collaborative calendar application, ShareCal, using **React** for the frontend and **Node.js** with **Express** for the backend, facilitating shared event management and scheduling among users.
- Integrated the **Google Calendar API** to synchronize user events seamlessly, enabling real-time updates and bidirectional synchronization of events between ShareCal and Google Calendar.
- Implemented a **custom event recommendation system** that considers user availability and existing commitments, using **PostgreSQL** to manage and query calendar data efficiently.
- Enabled users to import calendar feeds by uploading **.ics** files, automatically parsing and integrating the events into their ShareCal calendar.
- Designed the backend to support multi-user collaboration by utilizing **JWT**-based authentication and **Prisma ORM** to ensure secure, scalable, and efficient database operations.

## PROJECTS

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### SplitEase

- Developed a bill-splitting and expense management platform using **React** and **Node.js** with **Express**, enabling users to fairly and transparently divide shared costs.
- Engineered a dynamic bill-splitting algorithm supporting equal, percentage-based, and itemized cost distribution, ensuring flexibility for various expense-sharing scenarios.
- Developed a **Python**-based microservice using **FastAPI** to handle receipt parsing and **NLP**-driven expense categorization, integrating with the **Node.js** backend to automate expense processing.
- Implemented real-time expense tracking and group financial summaries using **PostgreSQL**, allowing seamless multi-user collaboration.

## LEADERSHIP AND INVOLVEMENT

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### Howard University College of Engineering & Architecture

Computer Science Tutor

Washington, DC

Oct. 2024 – May 2025

### Howard University College of Engineering & Architecture

Student Mentor

Washington, DC

Aug. 2023 – May 2024