

# JIOVANI BAH

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## TECHNICAL SKILLS

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**Programming:** Python, Javascript, Java, SQL, C++

**Frameworks:** React, Flask, Django, Node, Express

**Tools:** Git, MongoDB, Firebase

**Productivity Tools:** Jira, Slack, MS-Office (Word, Excel, PowerPoint)

## WORK EXPERIENCE

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### Junior Software Engineer, George Street Services

Sept 2023 - March 2025

- Developed the **front-end UI and recommendation system** for a private social networking app.
- Built and maintained **10+ client products** using **React, React Native, Python, and Firebase**.
- Debugged and secured web applications using **ZAP security checks** and performance optimizations.
- Restored and maintained the **George Street Services website**, implementing security measures after cyberattacks and ensuring stable operation for employee & client recruitment.
- Collaborated in Agile sprints, delivering features and contributing to execution plans.

### Software Engineering Fellow, Headstarter AI

Jul 2024 - Sept 2024

- Attended weekly mentorship sessions with **former FAANG engineers**, gaining insights on AI, software engineering best practices, and career growth.
- Developed a **personal portfolio** using **React, TypeScript, and Tailwind CSS**, showcasing projects, technical skills, and career achievements in an interactive and mobile-responsive design.

### CDH Engineer, Daly Computers

May 2023 - Aug 2023

- Provided **hardware and software support** for 50+ school systems, maintaining **2,000+ laptops** through installations, upgrades, and security enhancements.
- Developed and optimized **SQL stored procedures** to improve **database performance and efficiency**.

## EDUCATION

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### Hood College | B.S. Computer Science

Aug 2021 - May 2025

*Minor in Mathematics | GPA: 3.75/4.0 | 2 years in IT Department*

## PROJECTS

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### Sentiment Analyzer | React, Flask, MongoDB, Hugging Face

- Developed an **AI-powered web app** that generates **real-time topic summaries** and performs **sentiment analysis** using **social media & news data**.
- Built **interactive data visualizations** with **D3.js/Chart.js**, analyzing public sentiment trends from Twitter, Reddit, and News APIs.
- Integrated **NLP models (BERT, T5)** via **Hugging Face** for accurate **summarization & sentiment classification**.

### FitJoy | React, TypeScript, Firebase/Firestore

- Built a full-stack fitness web app with **food logging, recipe creation, and personalized workout planning** using React Native, TypeScript, and Expo.
- Integrated **Firebase/Firestore** for real-time data sync and added interactive features like a **fasting timer, social media integration, and motivational content** to boost engagement.

### MyBudgetPal | JavaScript, HTML/CSS

- Created a **web-based budgeting app** that gained **200+ student users**, improving usability over traditional budget apps.
- Developed **real-time budget tracking, dynamic calculations, and interactive sorting/filtering**, enhancing financial management.