

Tobi Salam

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SUMMARY

Full stack AI Engineer with strong foundations in **machine learning** and **AI-driven product development**. Experienced in **deep learning model design**, **NLP pipelines**, and **full-stack web applications**, combining technical expertise with leadership in student AI initiatives.

EDUCATION

May 2027 **B.Sc. Computer Science (AI Specialization)**, University of Saskatchewan, Saskatoon, SK

Relevant Coursework: Data Structures, Algorithms, Linear Algebra, OOP, Calculus, Computer Science Principles.

WORK EXPERIENCE

AI Research Engineer Intern, Neuromatch (Remote) Jul 2023 – Aug 2023

- Designed and deployed a **sentiment analysis system** using **Twitter data**, achieving **91% test accuracy**.
- Fine-tuned a **BERT-based classifier** with linear and dropout layers for better generalization.
- Built an **end-to-end NLP pipeline** (preprocessing, tokenization, training, evaluation) with **PyTorch**.
- Led a research team, presenting **AI advancements** and project progress.

Machine Learning Developer, R.A.I.N (Oyo, NG) Oct 2022 – Jun 2023

- Built a **CNN-based heart disease detection system** achieving **92% diagnostic accuracy**.
- Collaborated with experts to ensure **high-quality, contextually relevant data**.
- Developed and optimized an **MNIST classifier** with **95% accuracy**.

PROJECTS

Driver Drowsiness Detection System [GitHub](#)

Developed an **AI-powered detection system** using **OpenCV** to monitor fatigue indicators. Used **Haar-cascade** for facial tracking and **Pygame alerts** for real-time warnings.

Stock Price Prediction Model [GitHub](#)

Built a **Flask-based app** with **yfinance** achieving **85% prediction accuracy** and 30% faster retrievals for stocks like **Google**, **Microsoft**, and **Apple**.

String – Best Tech, Cultivator’s 24-Hour Startup Hackathon string-pre-alpha.vercel.app

Built “String,” a **STEM-focused social platform** with a **content-based recommendation system**. Designed and implemented a **custom algorithm**. Awarded **Best Tech**.

CalenDue – 1st Place, Co.Hack 2025 by Co.Labs calendue.ai

Developed “**CalenDue**”, an AI product that parses syllabi into structured events across **Google**, **Apple**, and **Canvas**. Used **Claude Sonnet 4** for text extraction and **Clerk** for authentication.

LEADERSHIP

Co-Chair of Student Network, Artificial Intelligence Saskatchewan (AiSK) Oct 2024 – Present

- Lead a **student-driven AI network** promoting **education**, **collaboration**, and **research**.
- Organize **workshops**, **speaker sessions**, and student **AI projects**.
- Drive outreach connecting students to **mentors**, **research opportunities**, and **industry partners**.

TECHNICAL SKILLS

Languages:	JavaScript, TypeScript, Python, C, Java, C++, SQL, HTML/CSS
Frameworks:	Flask, Next.js, TailwindCSS, Django
ML Libraries:	NumPy, PyTorch, scikit-learn, TensorFlow, Keras, torchvision, NLTK
AI Libraries:	OpenAI, pytsx3, Claude Sonnet 4, LangChain
Developer Tools:	Git, VS Code, PyCharm, IntelliJ, Vim