

EDUCATION

Bachelor in Computer Science: Fisk University, GPA: 3.824/4.00

May 2026

Relevant Courses: Machine Learning Specialization, Data Structures and Algorithms, Object Oriented Programming I and II in Java, Introduction to Data Science, Introduction to Database, Data Wrangling, Computer System

SKILLS

Languages: Python, Java, JavaScript, C++, C#, SQL, HTML

Frameworks: Angular, React, Oracle, Node.js, SQL, Django, bootstrap, FastAPI

Libraries: Tensorflow, OpenCV, scikit-learn, Pandas, Numpy, Matplotlib, Seaborn, Web3Js, EtherJS

EXPERIENCE

Software Engineer for AI Platforms, Dayos.ai

May 2024 — Present

- Utilized high-performing Llama 3.1 Large Language Models (LLMs) as foundational technology, integrating Retrieval-Augmented Generation (RAG) techniques to develop a custom chatbot for internal business use, automating daily tasks for employees.
- Enhanced operational efficiency by 35% through the development and deployment of a custom chatbot using Llama 3.1 LLMs and Retrieval-Augmented Generation (RAG) techniques, significantly reducing manual task time and streamlining internal processes.

Full Stack Developer Intern, Narratize AI

May 2023 — August 2023

- Collaborated in an agile team to redevelop the company website using **NextJS, MongoDB, and NodeJS (Javascript)**
- Improved website performance by 50% through optimizing data models and streamlining API interactions, resulting in faster load times and a significantly enhanced user experience.
- Managed CI/CD processes like overseeing branching strategies, pull request handling, issue triage, and release documentation.

Software Engineering Intern, Info Developers

Dec 2021 — Aug 2022

- Collaborated on agile teams to develop and deploy cloud-based software solutions, gaining hands-on experience with the full Software Development Life Cycle (SDLC)
- Utilized AWS Cloud Platform to build scalable and resilient applications, implementing best practices for cloud architecture and security

PROJECTS

ResearchMate, a research tool backed by BackDrop Build v5 (Python, Langchain, .NET, LLMs)

- Developed ResearchMate, a user-friendly research tool for effortless information retrieval in the any domain, integrating features such as loading URLs or uploading text files, processing content with **LangChain's UnstructuredURL Loader**, and using **OpenAI's embeddings with FAISS** for swift information retrieval. Enabled user interaction with LLMs for querying and receiving detailed answers along with source URLs.
- Utilized by research assistants at Fisk University for the student research program, earning positive feedback for its effectiveness as a research tool and its ability to enhance the quality and efficiency of research efforts.

Kissan - HackPrinceton 2022 Winner (JavaScript, C++, PostgreSQL, HTML/CSS, DotNet)

- Developed a full-stack application, Kissan, that focuses on revolutionizing smart farming practices by seamlessly integrating hardware, software, and machine learning technologies to recommend crops to the soil
- Designed and implemented an **IoT-based system with EdgeX Foundry**, using **Angular** for frontend, **Python** for a custom machine-learning model, and **Oracle** for database management.
- Presented the project at **HackPrinceton 2022**, where it won a category award, receiving positive feedback for its potential impact on sustainable agriculture.

FitVibes - HackHarvard 2023 Health and Sustainability Category Winner (React, Terra API, NodeJS, t5 LLM Architecture)

- Developed a Smart Health-focused system for notifying users with regular updates about their health by taking health data from wearables using Terra API.
- Integrated the system using React for the front-end, NodeJS and C# for the backend logic, and operated in a Linux/Unix environment
- Presented in **HackHarvard 2023** under health and sustainability category in the hackathon

AWARDS & HONORS

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| 2023 | HackHarvard 2023 Health and Sustainability Category Winner, 2nd Ranked on ICPC Northern Kentucky Region, Certification of Machine Learning Specialization |
| 2022 | HackPrinceton 2022 Overall Runnerup, President Honor's List, International Merit Scholarship; Edge PLUS Award |