

# Jamaludeen Mohammed

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## EDUCATION

### Trinity College

Hartford, CT

Major: Computer Science

Expected Graduation May 2028

- Relevant Coursework: Object-Oriented Programming (Java), Calculus 1, Introduction to Economics.
- Honors: Fernandez Family Scholarship Recipient.

## TECHNICAL SKILLS

- Programming Languages: Python, HTML, CSS, JavaScript.
- Worked with: C, C++, Java, React, Node.js.
- Frameworks: Express.js, Bootstrap, jQuery, MongoDB.

## EXPERIENCE

### KNUST DipperLab

Kumasi, Ghana

Research Intern

Oct 2023 – Dec 2023

- Conducted research on the integration of **Blockchain**, **IoT**, **edge intelligence**, and **AI**, producing a paper to address privacy, security, and efficiency challenges.
- Worked on Proof-of-Concept applications using Blockchain technologies to showcase practical solutions for supply chain management, utilizing **Solidity** and **Ethereum** tools.
- Contributed to project producing an innovative tech-driven solution for agricultural supply chain optimization and secure data sharing.
- Participated in monthly workshops and events focused on cutting-edge smart technologies and their practical implementations.

### Headstarter AI

Remote

Software Developer Intern

May 2024 – July 2024

- Collaborated with teammates to design an AI-powered web app aimed at improving educational resources and learning paths for blind users.
- Improved user interface for the core platform, increasing engagement by **20%**.
- Integrated machine learning models into the platform's backend, enhancing the user experience.

## PROJECTS

### MovieVerse — Node.js, Express.js, MongoDB, HTML, CSS, JavaScript, Bootstrap, JQuery

- Developed a full-stack web application using **Node.js**, **Express.js**, and **MongoDB**, featuring random movie suggestions and a movie comparison tool.
- Improved load times by **40%** through caching of **OMDb** API data.
- Enhanced user experience with server-side pagination, advanced filters, and a trailer popup, resulting in a **25%** increase in user engagement.
- Utilized **HTML**, **CSS**, and **JavaScript** to design a responsive and scalable front-end, with the capability to integrate React for future expansion.

### WeatherSplash — Python, React, JavaScript, HTML, CSS, OpenWeather API

- Built a responsive React-based weather app using the **OpenWeather** API, providing real-time weather data and increasing user engagement by **20%**.
- Streamlined API integration with **React** hooks, reducing load times by **15%** and enhancing app performance.
- Designed a user-friendly UI with reusable components and responsive layouts, ensuring a seamless experience across devices.

## LEADERSHIP & AFFILIATIONS

- Colorstack, Brilliant Black Minds, Goldman Sachs 2025 Possibilities Summits Fellow, Headstarter AI Fellow, Tyree Innovation Fellow at Trinity College.