

Jamaludeen Mohammed

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EDUCATION

Trinity College

Major: Computer Science and Economics

Hartford, CT

Expected Graduation: May 2028

- **Relevant Coursework:** Data Structures & Algorithms, Object-Oriented Programming (Java), Mathematical Foundations of Computing, Calculus I/II, Macroeconomic Theory, Global Trade & Finance, Data Visualization

TECHNICAL SKILLS

- **Languages:** Python, Java, C, JavaScript, SQL
- **Technologies:** React, Node.js, Express.js, MongoDB, HTML/CSS, Git, RESTful APIs
- **Tools:** Excel, Tableau, Power BI, Oracle Cloud, PeopleSoft, Microsoft Office Suite

EXPERIENCE

Trinity College Budget Office

Hartford, CT

Enterprise Systems and Data Migration Assistant

June 2025 – August 2025

- Analyzed and validated **20,000+** budget records during enterprise system migration from **PeopleSoft to Oracle Cloud**, ensuring **99%** data accuracy and eliminating potential reporting errors across institutional budget data.
- Identified and resolved data discrepancies after transition, ensuring clean and accurate import into the new Enterprise Resource Planning system.
- Documented **ERP** workflow processes and created system guides, improving operational efficiency and accelerating onboarding for future users.

PROFESSIONAL DEVELOPMENT & ACTIVITIES

Headstarter AI

Remote

Software Engineering Fellow

May 2024 – July 2024

- Collaborated with a team of 4 to develop AI-powered web application enhancing educational accessibility and personalized learning paths for visually impaired users.
- Built full-stack features using **Python** and **RESTful APIs**, applying agile development practices and **Git** version control through intensive fellowship program.

CodePath

Trinity College, Hartford, CT

Technical Fellow

Jan 2025 – April 2025

- Completed advanced coursework in data structures and algorithms through weekly technical sessions, led weekly peer learning sessions through breakout discussions and collaborative problem-solving.

Additional Involvement: Goldman Sachs Possibilities Summit Fellow, Tyree Innovation Fellow (1 of 60 selected), Trinity College Computer Science Club, Trinity Consulting & Finance Club, ColorStack, Brilliant Black Minds.

PROJECTS

WebPulse Monitor — React, Tailwind CSS, Recharts

- Built real-time monitoring dashboard using **React** and **Recharts** to track website response times, uptime, and regional latency across 5 global regions
- Designed automated monitoring system with performance trend analysis and regional latency comparisons for optimization insights.

MovieVerse — Node.js, Express.js, MongoDB, JavaScript, jQuery

- Developed full-stack web application using **Node.js**, **Express.js**, and **MongoDB**, improving load times by **40%** through API caching.
- Enhanced user engagement by **25%** through server-side pagination and advanced filtering features.
- Integrated **OMDb API** with error handling, ensuring high uptime for seamless user experience.

WeatherSplash — React, JavaScript, OpenWeatherMap API, HTML/CSS

- Built a responsive React weather web app using the **OpenWeatherMap API**, delivering real-time conditions
- Improved performance by implementing caching and streamlined API integration with React hooks, reducing load times by **15%**