

# NEEAM S. HAYDER

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## Education

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**St. John's University** | Major GPA: 4.0

*Expected Graduation: May 2028*

- Bachelor of Science in Computer Science
- Relevant Coursework: Object Oriented Programming, Intro to Data Structures and Algorithms, Operating Systems

## Experience

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**Full-Stack Software Engineer – AdCamp AI**

*November 2025 – Present*

- Built a full-stack ads monitoring platform (AdCamp AI) using React (TypeScript) + Express + PostgreSQL, enabling users to connect Google Ads accounts and view campaign performance data in a unified dashboard
- Designed and implemented a secure authentication system (JWT + refresh tokens + HTTP-only cookies), including session management, token rotation, and protected routing for a production-ready app experience
- Developed Google Ads API integration pipeline, including OAuth flow, encrypted token storage (AES-256-GCM), and dynamic customer account resolution for campaign data querying
- Architected scalable backend services for data ingestion and integrations, laying the foundation for AI-driven anomaly detection and automated campaign insights

**Artificial Intelligence/Machine Learning Researcher**

*September 2025 - Present*

- Developed a narrative-driven clinician burnout surveillance framework using 10,000 ICU discharge summaries from MIMIC-IV, combining clinical NLP, weak supervision, and provider-level risk modeling.
- Engineered a temporal dynamics framework to model clinician burnout as a longitudinal process, operationalizing workload intensity, semantic fragmentation, and scheduling flexibility from timestamped documentation behavior.
- Ran temporal ablation experiments comparing baseline narrative/workload models against temporal-augmented models, showing that temporal features preserved classification performance while adding longitudinal interpretability.

**Full-stack Engineer Intern – CaterAnyFood**

*November 2024 – December 2024*

- Built a multi-tenant catering platform using Next.js and TypeScript that allows restaurants to manage real-time orders and menus efficiently.
- Implemented secure authentication, REST APIs, and SQL schemas, improving database reliability and access speed by 30%.
- Designed modular system architecture by collaborating with engineers resulting in a clean, scalable, and maintainable codebase

## Projects

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**Teemo – Artificial Intelligence Course Maker**

*May 2025 – July 2025*

Source Code – [github.com/neeamh/Teemo.git](https://github.com/neeamh/Teemo.git)

- Developed a full-stack AI-powered course generator using React.js and Next.js that leverages NLP to analyze user input, aggregate educational content (YouTube, Reddit, articles), and produce structured learning paths with quizzes in JSON format.

**DingID – Facial Recognition Security Camera + Mobile App**

*August 2024 – September 2024*

Source Code – [github.com/neeamh/DingID.git](https://github.com/neeamh/DingID.git)

- Built a Raspberry Pi-based facial recognition system using OpenCV and Scikit-Learn with 85% detection accuracy, integrated with a React Native and Firebase app for real-time monitoring and user management.

## Skills

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**Programming Languages:** JavaScript, TypeScript, Python, Java, HTML/CSS

**Frameworks & Libraries:** Node.js, React.js, Next.js, Express.js, Scikit-Learn, Pandas, Numpy, Huggingface, spaCy, NLTK

**Tools:** Git/GitHub, Amazon Web Services, PostgreSQL, MongoDB, Firebase, Data Structures and Algorithms, OpenAI