

# Rohit Dham

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## EDUCATION

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University of Minnesota, Twin Cities | B.S. Computer Science, Minor in MIS

Expected May 2026

- **Relevant Coursework:** Data Structures and Algorithms, Machine Architecture, Program Design & Development, Software Engineering, Operating Systems, Internet Programming, Computer Networks, Web Infrastructure

## EXPERIENCE

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Noblis - Software Engineer Co-op

September 2025 - Present

- Enhancing a Department of Defense web application by integrating **AWS S3** file upload functionality within the **ASP.NET MVC** framework.
- Developing new features on existing project management tools such as a comments section and activity log to improve collaboration and system traceability.
- Delivering bug fixes and feature enhancements in **ASP.NET MVC** environment with a focus on performance

Medtronic - Software Engineer Extern

September 2025 - Present

- Chosen as 1 of 12 students for a highly competitive year-long, university-sponsored externship with Medtronic.
- Developing a log analysis system to correlate testing and application logs for Medtronic's device management systems using **Spring Boot and React**.
- Collaborating in a small **Agile Scrum** team to deliver project milestones and presentations to stakeholders.

Noblis - Software Engineer Intern

June 2025 - August 2025

- Successfully developed comprehensive web-based project management tools for the Department of Defense OE-I program using **C#, ASP.NET Core MVC, jQuery, and SQL Server**, resulting in \$1 million in DoD spending saved.
- Participated in full Agile development lifecycle, including sprint planning, code reviews, and deployment using **Jira** and code documentation in **Confluence**
- Provided technical subject matter expertise for UML-based search implementation using **XML and Python**

Outlier - AI Developer

August 2024 - May 2025

- Improved **LLM chatbot accuracy by 25%** through optimization of programming prompts
- Trained **machine learning models** for automated code generation and debugging across multiple languages (**Python, Java, C, C++, JavaScript**)

## PROJECTS

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[SkillTap](#) | Job Recommendation Platform | **React.js, Bootstrap, Gradle, Spring Boot, Java, MongoDB, AWS**

- Developed a **monolithic full-stack client-server app** with a Tinder-style **UI (React.js/Bootstrap)** backed by a **Spring Boot REST API** integrating **Adzuna API job data**, user accounts, and **MongoDB CRUD storage**.
- Deployed on **AWS**: hosted frontend on **S3 + CloudFront**, backend hosted on **EC2 instances** behind an **Application Load Balancer (ALB)**, architected to handle **1,000+ concurrent users**.
- Achieved **90% code coverage** using **JUnit and JaCoCo** for backend unit tests

[FastTracker](#) | Job Application Manager | **jQuery, ASP.NET Core MVC, C#, NUnit, SQL Server**

- Developed a job tracking web app with **CRUD functionality** and sortable views for date, status, and company using **ASP.NET MVC and SQL**
- Added **CSV import/export** for seamless integration with **Excel-based trackers**

[CineMood](#) | AI Movie Recommender | **HTML, CSS, JavaScript, Python, Flask, Sci-Kit Learn, Docker, AWS**

- Created a movie recommendation engine adapting to user context (location, weather, time) using **machine learning**
- Trained a **Multi-Label Random Forest Classifier (F1 score: 0.9833, loss: 0.0104)** for contextual movie suggestions
- Containerized application with **Docker** and deployed to **AWS EC2**, capable of **servicing 200+ users**

## SKILLS

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**Languages:** Java, C#, Python, JavaScript, TypeScript, SQL, C, C++, HTML5, CSS3

**Frameworks & Libraries:** Spring Boot, ASP.NET Core, React.js, Node.js, Flask, Angular, jQuery, Bootstrap

**Databases:** SQL Server, MongoDB, PostgreSQL, SQLite

**Cloud & DevOps:** AWS (S3, EC2, CloudFront, ALB, Redis, ECS, ECR), Azure (CI/CD), Docker, Kubernetes

**Tools & Platforms:** Git, GitHub, Jira, Confluence, Visual Studio, IntelliJ IDEA, Azure DevOps, Gradle, Maven, Linux