

Rohit Dham

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EDUCATION

University of Minnesota Twin-Cities | B.S. Computer Science, Minor in M.I.S | **GPA: 3.5** *Expected May 2026*

- **Relevant Coursework:** Data Structures and Algorithms, Machine Architecture, Program Design & Development, Software Engineering, Operating Systems, Internet Programming, Computer Networks, Secure Software Systems
- **Honors:** Fall 2022 Dean's list, Fall 2025 Dean's list

EXPERIENCE

Noblis - Junior Software Engineer (Backfill) January 2026 - Present

- Building and maintaining secure DoD web applications for **4,000+ users** using **.NET #6 (C#), Angular (TypeScript), Microsoft SQL Server, and Python**.
- Developing **.NET APIs, Angular UI, and SQL scripts** to ensure reliable, secure application functionality.
- Deploying containerized services with **Docker and AWS**, integrating **NPM builds** with **.NET APIs**.

Medtronic - Software Engineer Co-op September 2025 - Present

- Developing an end-to-end log analysis system, handling user requirements for a **30+ member** team, visualization with **draw.io**, development in **Python and JSON**, and testing with **PyTest** to ensure **97+% branch coverage**.
- Collaborating in a small **Agile Scrum** team to deliver project milestones and presentations to stakeholders.
- Leveraging **Microsoft Copilot** to create and collaborate with **AI agents** to accelerate development.

Noblis - Software Engineer Intern June 2025 - December 2025

- **Saved \$1+ million** in Department of Defense spending by developing comprehensive web-based project management tools for the DoD OE-I program using **C#, ASP.NET Core MVC, jQuery, and SQL Server**.
- Supported full Agile lifecycle, such as sprint planning, code reviews, and documentation with **Jira** and **Confluence**.
- Wrote & optimized **SQL scripts** and deployed features through existing **Azure DevOps CI/CD pipelines**.
- Selected to extend internship through the fall semester to deliver additional stakeholder-requested features.

Outlier - AI Trainer August 2024 - May 2025

- Improved **LLM chatbot accuracy by 35%** through optimization of programming prompts.
- Trained **machine learning models** for automated code generation and debugging across multiple languages (**Python, Java, C, C++, JavaScript**).

PROJECTS

SkillTap | Job Recommendation Platform | **React.js, Bootstrap, Gradle, Spring Boot, Java, MongoDB, AWS**

- Engineered a **monolithic full-stack** job-recommendation application with a Tinder-style **React/Bootstrap UI**, backed by a **Spring Boot and MongoDB backend** that parses, processes, & stores user résumés & accounts.
- Deployed on AWS: frontend on S3 + CloudFront, backend on 3 t3.Medium Elastic Compute Cloud (EC2) instances behind an HTTPS-secured Application Load Balancer (ALB). Can serve 1,000+ concurrent users.
- Achieved **90% code coverage** using **JUnit and JaCoCo** for backend unit tests.

Smart Budget Tracker (SBT) | AI Budget Manager | **C# .NET Core, React.js, SQL, Docker, OpenAI API**

- Built a full-stack budgeting platform for users to track income/expenses and view spending analytics.
- Implemented features such as interactive dashboards (**Chart.js**), CSV/JSON/PDF data exports, and AI-powered transaction categorization (**OpenAI GPT-4o API**) to reduce manual data entry.

CineMood | AI Movie Recommender | **HTML, CSS, JavaScript, Python, Flask, Sci-Kit Learn, Docker, AWS**

- Built an AI-powered movie recommendation system that personalizes suggestions based on user context.
- Optimized a Random Forest Classifier, achieving an **F1 score of 0.9833** for contextual recommendations.
- Containerized application with Docker and deployed to AWS EC2 behind an ALB, capable of serving 200+ users.

SKILLS

Languages: C#, Java, Python, TypeScript, JavaScript, SQL, C, HTML, CSS

Frameworks: .NET, Spring Boot, MERN (React.js/Node.js), Angular, Flask, jQuery

Cloud/DevOps: AWS (EC2, S3, CloudFront, ALB, ECS, ECR, IAM, Bedrock), Docker, CI/CD, Azure DevOps

Databases: SQL Server, PostgreSQL, MongoDB, SQLite

Tools: Git, Linux, Bash, IntelliJ, VS Code, Jira, Confluence, Gradle