

Rohit Dham

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EDUCATION

University of Minnesota, Twin Cities | Bachelor of Science in Computer Science, Minor in Management

Expected May 2026

- **Relevant Coursework:** Computative Linear Algebra, Data Structures and Algorithms, Machine Architecture, Program Design & Development, Software Engineering, Operating Systems, Machine Learning Fundamentals

PERSONAL PROJECTS

SkillTap | *React.js, Bootstrap, Gradle, Springboot, Java, MongoDB, AWS S3, AWS EC2* November 2024 - January 2025

- Designed and developed a Job Recommender App enabling CS/Data Science students to upload resumes and receive tailored job recommendations via a **Tinder-style UI client** built with **React.js** and **Bootstrap**.
- Developed a **REST API backend server** using **Gradle**, **Spring Boot**, and **MongoDB** to handle external **API calls from Adzuna**, manage user accounts, and handle **CRUD operations** for saved job recommendations.
- Engineered a custom resume parser using **Apache Tika** to extract skills from resumes, comparing them with a **CSV** of technology-related skills to enhance job-matching accuracy.
- Wrote test cases with **JUnit** to ensure reliability and achieve code coverage of **90%** using **JaCoCo**.

CineMood | *HTML, CSS, Javascript, Python, Flask, Sci-Kit Learn*

May 2024 - June 2024

- Developed a **Machine Learning**-powered Full-Stack application that recommends movies based on the user's current location, weather, and time of day, while displaying real-time weather updates
- Implemented a **Multi-Label Random Forest Classifier**, achieving a high **F1 score** of **0.9833** and a low loss of **0.0104**
- [Deployed to the web using Docker and Render](#)

SmartShopper | *React.js, Python, Flask, Pytorch, Sci-Kit Learn, SQL*

July 2024 - September 2024

- Developed an E-commerce website template utilizing full-stack technologies, including **REST APIs** and **CRUD operations**, integrated with **Machine Learning and Deep Learning** techniques
- Created a **Neural Network**-powered customer support chatbot and a search algorithm capable of understanding product synonyms in the catalog. Both neural networks were rigorously trained over **100 epochs**, achieving a **loss of less than 0.1**

Neuro | *Python, PyTorch*

June 2024 - July 2024

- Developed an **AI chatbot** utilizing **PyTorch-based neural networks** and **natural language processing (NLP)** to perform math problem-solving, weather, stock trend checking via **API**, and playing games.

EXPERIENCE

Outlier

AI Trainer / AI Evaluator

July 2024 - Present

- Reviewed and crafted prompts for **AI chatbots** and **large language models (LLMs)**, enhancing their performance and accuracy through iterative feedback and analysis
- Trained **AI chatbots** to debug and generate code in **Python, Java, C, C++, and JavaScript**, optimizing their problem-solving capabilities for technical tasks

Brooks Brothers

April 2023 - August 2024

Sales Associate

- Managed clothing stock, including tracking inventory levels and replenishing items as needed
- Updated and maintained a **database** for profits and stock using **Microsoft Excel**, ensuring accurate financial records and inventory management.

SKILLS

Languages/Databases: Python, Java, JavaScript, TypeScript, C, C++, SQL, MongoDB, HTML, CSS, x86 Assembly, JSON

Frameworks/Libraries: PyTorch, Sci-Kit Learn, NumPy, Pandas, Matplotlib, Flask, React, Node, Springboot, JUnit

Tools: Git/Github, Docker, Gradle, Make, Kubernetes, AWS, Heroku, Microsoft Office, Google Workspace, VSCode, IntelliJ