

Abdirahman Ahmed

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EDUCATION

Bachelor of Science – Computer Science (GPA: 3.3)

Aug 2025

University of Minnesota, Twin Cities

Relevant Coursework: Computer Architecture, Algorithms and Data Structures, Advanced Programming Principles, OOP Programming

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, HTML, CSS, C#, Ocaml, SQL, .Net

Tools/Frameworks: GitHub, Postman, REST API, Docker, AWS, MongoDB, Elastic Stack (ELK), Rally, Figma, Jenkins, PowerBI

WORK EXPERIENCE

API Group Inc | Software Developer Intern

Aug 2024 - Aug 2025

- Developed a new **timesheet system using .NET and C#**, improving entry accuracy by 20% and reducing manual corrections by 100+ hours annually.
- Connected the system with **legacy services**, improving integration and reducing downtime by 15%.
- Partnered with 10+ stakeholders to design **user-friendly interfaces**, reducing user-reported errors by 25%.

Optum | Data Analyst Intern

Jun 2024 - Aug 2024

- Queried large **healthcare datasets** using SQL to provide accurate, timely insights for reporting and compliance.
- Built automated **data pipelines with Python and Alteryx**, reducing manual workload by 30% and saving 10+ hours weekly.
- Created **dashboards and contractual visualizations** in Power BI/Tableau to drive data-driven decision-making.

Optum | Data Engineer Intern

Aug 2022 - Aug 2023

- Automated **data pipelines in Python**, reducing processing time by 30% and saving 10+ hours per week.
- Integrated **Elasticsearch** for real-time indexing/search, improving query speed by 25% and halving report generation time.
- Analyzed **20,000+ user sessions daily**, improving retention by 20% through optimized site usage.
- Resolved critical **JavaScript and system bugs**, boosting reliability by 40% and cutting user-reported issues by 35%.

PROJECTS

Intern Housing Portal | React, Node.js, MongoDB

Jul 2025 - Present

- Building a web platform for 200+ interns to streamline **housing searches and subleases**, targeting a 40% reduction in search time.
- Designing **backend APIs with MongoDB**, integrating authentication, and implementing cloud deployment using AWS.

Chess Game | Java, Object-Oriented Programming

Dec 2024

- Developed a fully functional **terminal-based chess game** in Java, applying **object-oriented programming principles**
- Implemented game mechanics including move validation, turn-based logic, and check/checkmate detection to ensure accurate gameplay.

PROFESSIONAL DEVELOPMENT

Management Leadership for Tomorrow (MLT) | Career Prep Fellow – Class of '2026

Jan 2024 - Present

- Accepted into a selective 18-month professional development program for high-achieving diverse talent, with training and mentorship from leaders across top firms such as Google, LinkedIn, and Netflix.

Genesys Works, Minneapolis, MN | Talent Development Pipeline (TDP) Fellow

Jun 2022 - Present

- Selected as 1 of 35 from over 300 applicants for a competitive collegiate fellowship focused on building professional, technical, and leadership skills.