Mohamed Thoufeek Ali

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EDUCATION

Binghamton University, State University of New York, Thomas J. Watson College of Engineering and Applied Science

Bachelor of Science & Master of Science in Computer Science (4+1 Program)   *Expected May 2027*

Cumulative GPA: 3.87 /4.00 (Dean's List Fall 2024 - Present)

TECHNICAL SKILLS

Languages: C, C++, Java, Python, JavaScript, Typescript

Frameworks & Tools: React.js, Node.js, Flask, LangChain, Git, FAISS, REST APIs

Technologies: GitHub, Google Cloud, AppSheet, Workato, Linux, VS Code

Certifications: Google - Foundations of Cybersecurity, Workato - Pro I, Pro II, Pro III

WORK EXPERIENCE

iSteer, *Software internship*   *June 2025 – July 2025*

- Used Workato to design and automate cross-platform workflows, completing 2 certifications and enabling a 25% faster onboarding process through streamlined integrations
- Built an AI-powered chatbot using Gemini API and RAG architecture, scraping and indexing 100+ pages from the iSteer website to enable real-time, context-aware support for internal and external queries
- Developed a Resource Allocation App with AppSteer and Google AppSheet, digitizing manual processes and reducing resource assignment time by 40%, improving visibility and planning across teams

STARTUP

MovieSocial - Cinephile's paradise   *July 2025 - Present*

- Built MovieSocial, a full-stack social platform connecting film enthusiasts through reviews, discussions, and a daily "Modle" puzzle using React, Node/Express, and MongoDB
- Designed and integrated gamification, analytics, and leaderboard systems to drive engagement, retention, and data-informed product iterations for sustainable user growth
- Productionized the prototype with secure auth (JWT, OTP), deployment hardening (Helmet, CORS, health checks), and scalable environment-based configurations.

PROJECT EXPERIENCE

iSteer Chat Assistant, *Software Developer* | @github/iSteer-chatbot   *June 2025 - July 2025*

- Defined product vision to create an AI-powered chatbot for real-time, context-aware support, addressing customer need for faster, accurate information retrieval from 100+ company web pages
- Led feature prioritization with stakeholders, balancing latency goals (<2 seconds) against search accuracy using Gemini 1.5 Flash API, LangChain, FAISS, and Google embeddings
- Developed a responsive frontend (HTML/CSS/JS) with live chat UI, and implemented user intent handling to enhance engagement and provide relevant CTA buttons with 100% accuracy

Search Engine, *Software Developer* | @github/Search_Engine   *December 2024 – January 2025*

- Identified user need for high-speed celebrity and person lookup, leading the design of a modular C++ search engine with <10ms query times
- Optimized performance by selecting a mix of max heap, binary search tree, and hashtable data structures, delivering a stable, modular C++ codebase with a custom Makefile for 100% successful builds and reduced debug cycles

Relationship Finder, *Software Developer* | @github/Relationship_Finder   *January 2024 – July 2024*

- Defined scope for a genealogy analysis tool supporting 100+ members per tree, enabling family relationship queries
- Implemented Dijkstra's algorithm to calculate shortest relationship paths, optimizing query handling to 10–15 requests per second for smooth user experience
- Validated solution with target users to ensure usability and relevance for small-to-mid-sized family networks

LEADERSHIP EXPERIENCE

Course Assistant, *Ethical, social, and global issues in computing class*   *January 2025 – Present*

- Used hands-on mentorship to guide 15 students in project development, strengthening their problem-solving and technical skills, resulting in improved project quality and confidence
- Organized weekly study groups and academic events, increasing peer collaboration and raising average class performance by 10%, while supporting fair and timely evaluation processes

ColorStack, *Hackathon Treasurer*   *January 2025 – August 2025*

- Used Google Sheets to track and allocate a $5,000 hackathon budget, ensuring transparent expense tracking and reducing overspending by 15%
- Collaborated with the Student Association Head to conduct 3+ campus fundraisers, using targeted outreach and in-person events to raise 100% of required funds ahead of schedule