

Eldad W. Tolla

Double majoring in Computer Science and Mathematics, with minors in Data Science and Engineering, I have extensive experience in technical support and student leadership. I am passionate about machine learning and AI and have a proven ability to develop and execute projects.

Experience

August 2023-Present

Computer Science and Math Tutor | Randolph College | Lynchburg, VA

- Provide additional instruction to students to improve understanding of complex mathematical and coding concepts,
- Present information tailored to support individual student learning and meet academic goals

August 2023-Present

IT Help Desk Assistant | Randolph College | Lynchburg, VA

- Provide technical support for campus-wide operating systems by identifying and resolving issues,
- Troubleshoot and maintain hardware and software inventory

August 2024-Present

Computer Science Research Assistant | Randolph College | Lynchburg, VA

- Develop and implement data visualization techniques to build an interactive website to assist farmers and researchers,
- Enhance data mining and analytics skills using USDA crop data and weather information,
- Collaborate with team members for training and project updates

August 2024-Present

Engineering Research Assistant | Randolph College | Lynchburg, VA

- Develop a voice-activated AI robot to enhance human-computer interaction using natural language processing (NLP) techniques,
- Implement speech recognition algorithms to improve accuracy in real-time communication,
- Assist in coding and integrating AI-driven responses, enabling the robot to understand and respond to complex voice commands,
- Collaborate on testing and optimizing the robot's performance in various environments for smooth interaction

Projects

Matrix Operations Library

- Create a Python library for efficient matrix operations utilizing linear algebra concepts to support various mathematical and engineering applications

Personalized Study Plan Generator

- Develop an app that creates customized study plans based on students' learning styles and performance,
- Use algorithms for personalized recommendations and AI for optimizing learning paths

Voice Aid AI-Powered Speech Recognition for Assistive Technology

- Build an AI-driven speech recognition platform designed to assist individuals with speech impairments or physical disabilities in communicating effectively

Contact

Lynchburg, VA
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Education

Randolph College
Lynchburg, VA
**BS in Computer Science
and Mathematics**
Minors in Data Science and
Engineering
GPA 4.0
May 2027

Key Skills

Project Management
Teamwork
Data Analysis
Communication
Diversity and Inclusion

Technology

Microsoft Office Suite
Python, Java, JavaScript
C, C++
Git/GitHub
SQL, Node.js
HTML, CSS, R

Leadership

Presidential Ambassador
Judiciary Chair Student Rep
Society of Physics Students

Awards and Honors

Dean's List
NSF SUPER Scholar Award
Most Outstanding Student-
Computer Science and Math
Academic MVP Award

Languages

Amharic

Other Projects

Digital Marketing Strategy
for Up Key