ET

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.

Contact

Lynchburg, VA
240-355-2970
etolla@randolphcollege.edu

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

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

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

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