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Ryan Kabir

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EDUCATION

Texas A&M University - College Station, TX — Expected Graduation: May 2025
Bachelor of Science (B.S.) - Computer Engineering — Minors - Cybersecurity, Statistics

- Awarded the **AFT Top-2 Finalist Scholarship** from Jack Henry and Associates, earning a **$500 scholarship** for exceptional academic merit
- Designated as member of the **Dean's Honor Roll** for achieving an outstanding **GPA of 3.75+**

Texas Academy of Mathematics and Science - Denton, TX — May 2021
High School Diploma - Biomedical Sciences Track — GPA: 3.73/4.0

- Awarded the **TAMS Scholar Merit Scholarship** of **$8000** for exceptional academic merit

TECHNICAL SKILLS

Languages: C/C++, Python (NumPy, TensorFlow, Matplotlib, Selenium), JavaScript (React, Node.js), HTML/CSS, R
Certifications: (LinkedIn Learning) Hands-On Intro **React**, **React** Using **TypeScript**, **Python** Data Structures & Algorithms, Machine Learning w/ **Python**, AI Recommender Systems, **Agile** Foundations, **Git/Github**, **R**, **TensorFlow**: Natural Language Processing; (Codecademy) Learn **HTML**, Learn **CSS**

EXPERIENCE

Texas A&M University - College Station, TX
Head Undergraduate Teaching Assistant for ENGR/PHYS 216 (Physics Mechanics Lab) — January 2023 - Present
Head Undergraduate Teaching Assistant for ENGR 102 (Python/Computation Lab) — May 2022 - December 2022

- Created and administrates the *first* server of **150+ TAs / Peer Tutors** and **4000+ students**
- Leads instruction in twice-a-week class meetings to aid 230+ students in **Python** lab work and classwork

LeetCamp | "A Project Dedicated to DS&A" - College Station, TX — August 2022 - Present
Head Python Instructor / Project Manager

- Leads a weekly workshop that teaches **Data Structures and Algorithms** concepts from the beginner to advanced level in **Python and C++** through the lens of LeetCode problems to a group of **~120 students**

University of North Texas – Dallas - Dallas, TX — May 2019 - May 2020
Undergraduate Research Fellow - Social Epidemiology Lab with Dr. Syeda Jesmin

- Created an academic literature review paper of **8 published articles** to contribute to a publication on Opioid Misuse among Adolescents **published in the journal Substance Use & Misuse**

PROJECTS

Personal Website: ryankbr.github.io (for additional information on projects and profile)
Carry-On | Natural Language Processing-Driven Travel Website — January 2023 - Present
Full Stack Developer

- Designed and implemented a Selenium web scraper to extract item guideline information from the Transportation Security Administration website's carry-on item guideline page
- Developed a website in React and HTML/CSS for users to receive relevant information in viable carry-on items via a TensorFlow NLP driven key-terms search
- Utilized **Python** (**Selenium**), **React**, **Reactstrap** and **HTML**/**CSS**, **Microsoft Azure Cloud**, **Figma**

AI-ggie News | Machine Learning Driven Article Recommendation Webapp — September 2022 - December 2022
Lead Python Developer | AI / Machine Learning Team

- Created a website with a recommendation system utilizing machine learning in **Python** for **300+ Texas A&M news articles** that services students from 100+ majors and interest groups
- Utilized **Selenium** web scraping, **TensorFlow** recommenders, and a **JavaScript** + **HTML/CSS** front-end

LEADERSHIP

ENGR TA Organization (TAO), *Founder / President* — November 2022 - Present

- Founded first student organization of **150+** members that revolutionizes and consolidates reviews, office hours, tutoring, and announcements for all **4000+** engineering students among each of **4 Texas A&M Campuses** into a unique server that utilizes **Python** and **Discord API** to organize student roles with a bot

Aggie Coding Club, *Officer, Webmaster, LeetCamp Project Leader* — August 2021 - Present

- Manages organization website created with **HTML/CSS**
- Oversees financial planning for **20+ semesterly events** and effectively utilizes a budget of **$16,000**

Aggie Competitive Programming Club, *Officer & Company Outreach Manager* — August 2021 - Present

- Optimizes budgeting of **$10,000** for semesterly Competitive Programming competitions of **150+ participants**