Warith Rahman

Allen, TX | warithr21@gmail.com | (469) 318-4831 | linkedin.com/in/warith-rahman | github.com/warithr621

Summary

Motivated UT Austin undergraduate double majoring in Computer Science and Mathematics, with experience in software development, cybersecurity, and genomics research. Strong problem-solver with skills in Python, C++, Java, and data analysis tools like R and Pandas. Effective communicator and team player, recognized for initiative, adaptability, and eagerness to learn. Interests span into cryptography algorithms and regression analysis.

Education

University of Texas at Austin, B.S. in Computer Science and Mathematics | *GPA: 3.9/4.0* Aug 2024 - Dec 2027

- **Coursework:** Data Structures (H), Computer Architecture (H); Linear Algebra, Probability I
- **Activities:** Texas Science Bowl (President), UT Programming Club (Problemsetter), Longhorn Math

Experience

Incoming Cybersecurity Student, Robert Strauss Center – Austin, TX Aug 2025 - Present

- Selected for a two-semester practicum course, gaining real-world experience in vulnerability assessment

Undergraduate Researcher, UT Austin – Austin, TX Jan 2025 - May 2025

- Analyzed novel genomic data of sister salamander species under Dr. Joseph Dubie to identify trends in divergent evolution
- Utilized R to process datasets with millions of rows, discovering key protein-coding genes with high differential expression

Software Developer, Longhorn Developers – Austin, TX Sep 2024 - Dec 2024

- Contributed to a Google Chrome extension with 60,000+ downloads, utilizing TypeScript automation to streamline UT Austin course registration

Projects

TSB Question App *Repository Link*

- Designed and deployed a full-stack web application (Express.js, MongoDB, TailwindCSS) for centralizing password-protected question storage for Texas Science Bowl via Render
- Improved workflow efficiency by directing question uploads into a unified platform, eliminating formatting inconsistencies and accelerating LaTeX packet creation by over 100x

UIL Hub *Repository Link*

- Developed a web application with Python Flask and JavaScript to scrape and display UIL academic competition results from Speechwire, replacing a CLI-based script
- Implemented concurrent threading and dynamic front-end filters (by subject, team/individual, and region) to allow real-time browsing, sorting, and CSV export of hundreds of student data

Game Theory *Repository Link*

- Designed and deployed an interactive online card game with TypeScript and Next.js, enabling real-time multiplayer gameplay and scalable hosting via DigitalOcean droplets

Achievements

3rd Place Energy AI Hackathon 2025 @ UT Austin
4x American Invitational Mathematics Exam (AIME) Qualifier
Top 20 pre-college US teams at PicoCTF 2024
5x Texas UIL Academics State Gold Medalist

Skills

Languages: Java, C++, Python, Javascript

Tools / Frameworks: Numpy, Scikit-learn, Pandas, NLTK, LaTeX, Express.js, Tailwind CSS, MongoDB, Git