Warith Rahman

(XXX) XXX-XXXX | warithr21@gmail.com | linkedin.com/in/warith-rahman | github.com/warithr621

EDUCATION

University of Texas at Austin — Austin, TX
Bachelor of Science in Computer Science, Bachelor of Science in Mathematics — *Aug 2024 – May 2027*

EXPERIENCE

Undergraduate Researcher — Jan 2025 – May 2025
University of Texas at Austin — *Austin, TX*

- Led data analysis in a team investigating divergent evolution in *Eurycea* salamanders under Dr. Joseph Dubie
- Leveraged R to process and visualize 4M+ genetic data points, identifying 20 protein-coding genes with high differential expression presented at final research showcase

Software Developer — Sep 2024 – Dec 2024
Longhorn Developers — *Austin, TX*

- Developed features for "UT Registration Plus" (60,000+ downloads), an extension to simplify class registration, through weekly meetings and cross-grade teamwork
- Refactored schedule table layout and resources page using TypeScript to enhance user experience and clarity

PROJECTS

TSB Question App | *Express.js, MongoDB, TailwindCSS* — Feb 2025 – Present

- Engineered and deployed a full-stack app on Render for securely managing 900+ Texas Science Bowl questions through a Mongo database
- Streamlined workflow by unifying question uploads and automated LaTeX packet generation, reducing time by over 100x

UIL Hub | *Python Flask, Node.js, HTML, CSS* — Mar 2025 – Apr 2025

- Built a Flask web app to scrape UIL results from Speechwire, reducing query time by 10x from original CLI script
- Integrated real-time sorting and multithreading for CSV export filtered across contests, regions, and classifications

Game Theory | *TypeScript, Next.js, DigitalOcean* — Feb 2025 – Mar 2025

- 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

Top 300 at DoD Cyber Sentinel CTF 2025 — Jun 2025

- Ranked 282 out of 2,156 competitors at the DoD Cyber Sentinel CTF 2025

3rd Place Energy AI Hackathon 2025 — Jan 2025

- Designed a random forest energy usage prediction model with 11% MAPE

Top 20 pre-college US teams at PicoCTF 2024 — Mar 2024

- Ranked 20th out of 2,268 teams at the PicoCTF 2024, operating as a crypto & reverse engineering specialist

4x American Invitational Mathematics Exam (AIME) Qualifier — Mar 2021 – Mar 2024

- Qualified for the AIME in 2021, 2022, 2023, and 2024; consistently placing in the top 10%

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, TypeScript, HTML/CSS, R
Frameworks + Tools: Flask, TailwindCSS, Node.js, Express.js, MongoDB, Git, Visual Studio, IntelliJ, Docker
Libraries: Pandas, NumPy, Matplotlib, Scikit-learn