




# Adhitya Thirumala

 <https://github.com/adhi-thirumala>
 [linkedin.com/in/adhitya-thirumala](https://www.linkedin.com/in/adhitya-thirumala)
 [adhith2@illinois.edu](mailto:adhith2@illinois.edu)
 [adhithirumala.com](http://adhithirumala.com)

## EDUCATION

**University of Illinois Urbana-Champaign**

2024-Present

*Major: Computer Science + Linguistics*

*GPA: 3.73/4.00*

**Fox Chapel Area High School**

2020-2024

## RELEVANT COURSEWORK

**College:** CS 124 Honors, MATH 241 (Calculus III)

**High School:** Linear Algebra, Data Structures and Algorithms, AP Computer Science A (5), AP Physics C: Electricity and Magnetism (5), AP Calculus BC(5), AP Calculus AB(5), AP Physics C: Mechanics (4)

## SKILLS

**Languages:** Python, Java, HTML, Bash,  $\LaTeX$ , YAML, TOML, SQL, Go, C, C++, Lua, Javascript, Typescript, CSS

**Tools:** Git/GitHub, Github Actions, Vim, Huggingface, Linux, Maven, Gradle, SQLite, Docker, PostgreSQL, Vercel

**Libraries:** pandas, NumPy, Matplotlib, Tensorflow, pyTorch, Sci-Kit Learn, Swing (Java), Spring (Java), Next.JS, React, Flask

## PROJECTS

**matched.lol** | *Java, PostgreSQL, Spring, Javascript, Typescript, HTML, CSS, Next.JS, React* September 2024 - December 2024

- Lead full-stack developer for web/mobile application to match League of Legends players together based on preference
- Developed a RESTful API using Spring Boot to handle user requests
- Utilized Serverless PostgreSQL to store user data and preferences
- Implemented OAuth2.0 for user authentication with Discord and Riot Games
- Created landing page to inform users of future updates using NEXT.JS and React
- Hosted landing page on Vercel at [matched.lol](https://matched.lol)

**Clickbait Classification and Spoiling Using NLP (arXiv)** | *Python, Torch*

Oct 2022 - May 2023

- Developed natural language processing models to classify and spoil clickbait
- Utilized Large Language Models and prompt engineering alongside traditional transformers models to generate spoilers
- Results submitted to *The 17th International Workshop on Semantic Evaluation*: Toronto, Canada 2023
- Mentored by Dr. Elisa Ferracane

**Extractive Question Answering on Queries in Hindi and Tamil (arXiv)** | *Python, Torch*

Oct 2021 - May 2022

- Developed Extractive Question Answering (QA) models in Tamil and Hindi with public dataset
- Improved performance of such models as compared to gold-standard by over 20% in both Hindi and Tamil
- Modified RoBERTa tokenizer to accept input in Hindi and Tamil to minimize need for data and training
- Received 26th Annual Senior Division Carnegie Science Award presented at annual Gala to fundraise for Carnegie Science Center and to honor Pittsburgh's scientists and researchers
- Mentored by Dr. Elisa Ferracane

## WORK EXPERIENCE

**Private Debate Coaching** | *Freelance*

2024 - Present

- Conducted 4-6 hours of research weekly for national circuit debate competitors from Whitney M. Young Magnet High School, Gunn Senior High School, and Edison College Preparatory High School.
- Met to teach important debate skills and review past tournament performance twice a week
- Coached five teams to first-time elimination round finishes and championed round robin invitational tournament at the University of Michigan

## ACTIVITIES

**Clubs:** Association for Computing Machinery, GNU/Linux User Group, Illini Speech and Debate, SIGNLL (ACM NLP Special Interest Group)

## MISCELLANEOUS

**High School Clubs:** Speech and Debate (President), Science Fair (President)

**High School Awards:** 2x State Championship Policy Debate, NMSQT Finalist, Broadcom MASTERS Top 300, Premier Distinction NSDA Honor Society, Presidential Volunteer Service Bronze Award, Presidential Volunteer Service Gold Award