

# Amey Khairnar

[ameyrk.me](http://ameyrk.me)

Pittsburgh, PA • [ameykhairnar99@gmail.com](mailto:ameykhairnar99@gmail.com) • +1 682-552-6369

Github [ameyrk99](#) • LinkedIn [ameyrk](#)

## Education

### University of Texas at Arlington

BS Computer Science  
Minor Mathematics

#### Cum Laude

May 2021 • GPA 3.55/4.0

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## Coursework

Probability & Statistics  
Mathematical Models  
Discrete Mathematics  
Database Systems  
Linear Algebra  
Artificial Intelligence  
Theory of Computation  
Computational Methods  
Software Engineering  
Software Testing

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## Skills

### Languages

Python, SQL, Bash

JavaScript, C/C++

### Frameworks/Libraries

SQLite, Matplotlib, Pandas  
Numpy, Beautiful Soup

ReactJS, Flask, Bootstrap

### Cloud Technologies

Heroku, Firebase, Google  
Cloud Functions

### Other

Excel/Google Sheets, Git  
L<sup>A</sup>T<sub>E</sub>X, Linux, Agile/SCRUM

## Experience

Software Engineer Intern @ **Lenovo** Morrisville, NC • June - July 2020

- ◇ Worked on the portal for Smart Office's ThinkSmart devices.
- ◇ Wrote data aggregation scripts for product owner to gain insight into the state of the product over Organizations, Devices, etc.
- ◇ Designed the architecture and implemented the frontend for export users story, and performed spike analysis for the backend.
- ◇ Completed spikes for security features and resolved various story tasks for the portal.
- ◇ MongoDB • TypeScript, Angular • Java, Spring

Peer Academic Leader @ **UTA** Arlington, TX • Aug 2018 - Dec 2020

Taught UNIV-EN 1131 'Student Success' classes, of about 30 students, twice a week in collaboration with an engineering faculty.

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## Projects

**Health Tracker** @ [ameyrk.me/tracker](http://ameyrk.me/tracker)

2020 - 2021

- ◇ Analysis along with visualization of frequencies and averages of sleep, water, caffeine, steps, and heart rate over various time periods.
- ◇ Recorded and visualized health data in order to understand my health better after I realized my water intake was extremely low.
- ◇ Python, Pandas, Numpy, Matplotlib • Apple Watch, Sleep++

**WhatsApp Visualizer**

2019

- ◇ Visualizations of distributions of chat messages, media, and words, and frequencies over 24 hours and dates.
- ◇ Implemented initially to learn more Python and Matplotlib but later made more accessible through a website by using Chart.JS.
- ◇ JavaScript, Chart.JS • Python, Matplotlib

**Yreads** @ [yreads.ameyrk.me](http://yreads.ameyrk.me)

2020

- ◇ Website to log data about my reading habits and record personal reviews.
- ◇ Implemented RESTful APIs to log my book data such as ratings, pages, and various dates for analysis later.
- ◇ Heroku, Python, Flask • TypeScript, Google Firebase

**LED Scoreboard**

2020 - 2021

- ◇ Senior Design project powered by Raspberry Pi to display scores for different leagues such as NHL, NBA, MLB, and La Liga.
- ◇ Implemented NHL API integration and built the functionality to render game components on the LED board.
- ◇ Hosted various project meetings as the SCRUM master of the team.
- ◇ Python, rpi-rgb-led-matrix • Raspberry Pi