

Amey Khairnar

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

Education

University of Texas at Arlington

BS Computer Science

Minor Mathematics

May 2021 • GPA 3.55/4.0

Coursework

Probability & Statistics

Mathematical Models

Discrete Mathematics

Database Systems

Linear Algebra

Artificial Intelligence

Theory of Computation

Computational Methods

Skills

Languages

Python, SQL, Bash

JavaScript, C/C++

Frameworks/Libraries

SQLite, Matplotlib,

Numpy, Pandas

ReactJS, Flask, Bootstrap

Cloud Technologies

Heroku, Firebase, Google

Cloud Functions

Other

Excel/Google Sheets, Git

L^AT_EX, 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.

Projects

Health Tracker @ 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 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