Amey Khairnar

ameyrk.me

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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, Pandas
Numpy, Beautiful Soup

ReactJS, Flask, Bootstrap

Cloud Technologies
Heroku, Firebase, Google
Cloud Functions

Other
Excel/Google Sheets, Git
LaTeX, 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