Amey Khairnar

ameyrk.me

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Education

University of Texas at Arlington
BS Computer Science
Minor Mathematics

Cum Laude
May 2021 ● GPA 3.55/4.0

Coursework

Algorithms & Data Structures
Software Engineering
Software Testing
Database Systems
Software Project Management
Operating Systems
Theory of Computation
Artificial Intelligence

Discrete Mathematics
Probability & Statistics
Mathematical Models
Linear Algebra

Skills

Languages
TypeScript/JavaScript, Python,
C/C++, Java, SQL, Bash, Go

Frameworks/Libraries
ReactJS, Flask, Bootstrap,
SQLite, Matplotlib

Cloud Technologies
Heroku, Firebase, Google
Cloud Functions, Serverless

Other
Git, Agile/SCRUM, LaTeX,
Linux, JUnit, GTK

Experience

Software Engineer Intern @ **Lenovo**   Morrisville, NC ● June - Aug 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

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

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++

Yet Another Calendar App (YACA)   2019
- ◇ A minimal calendar and planner Android app aimed at college students to manage work from classes and other events.
- ◇ Led a team and worked on features like daily reminder notifications for each user using serverless functions.
- ◇ JavaScript, ReactNative ● TypeScript, Google Firebase