

MANISH BHANDARI

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Education

University of Texas at Austin

Aug. 2019 – May 2023

B.S. in Computer Science and a Digital Arts and Media Certificate

Austin, Texas

Relevant Coursework: Data Structures, Algorithms and Complexity, Modern Web Applications, Computer Networks, iOS Mobile Computing, Computer Architecture, Operating Systems, Digital Media Production

Experience

MyWikis

May 2021 – Sep. 2021

Full-Stack Software Engineer Intern

Austin, Texas

- Designed and developed a website using React and rest endpoints using Flask from end-to-end for self-service page
- Communicated closely with the product owner to create webpage concept mockups for login, portal, and numerous other configuration pages in Figma
- Leveraged React libraries and CSS to translate mockups to life while implementing animations, and dynamic rendering
- Wrote MediaWiki backups script in Python and boto3, uploading 200+ MySQL database dumps daily to AWS S3

UT Computer Science

Jan 2021 – May 2021

Teaching Assistant

Austin, TX

- Introduced students to programming concepts such as variables, data structures, and algorithms in Python
- Developed lesson plans based on lecture material and personalized it to the students' academic needs
- Lead weekly 2 hour TA discussion sections and facilitated weekly 3 hour office hours for questions and concerns
- Assisted in the grading of quizzes and exams for a class of over 100 students

Houston Independent School District

June 2019 - Aug 2019

Big Data Engineering Intern

Houston, TX

- Implemented a Hadoop MapReduce system on a cluster of Raspberry Pi 3 to analyze large data sets of student reports
- Set up 4 networked raspberry pi connections by configuring ssh aliases
- Learned the basics of Parallel Computing and Big Data management under the MapReduce model to scale data processing over multiple computing nodes
- Attended weekly training sessions focused on professional development and shadowed other IT professionals in the field

Projects

Spotify Profile Visualizer | *React, Express, Sass, Node.js*

- A web app build on React for visualizing personalized Spotify data using the Spotify Web API where you can view your top artists, top tracks, recently played tracks, and more.
- Used React with Router and SASS to create beautiful and responsive renders. Log-in rest endpoints using Express.

Chat App | *React, Express, MongoDB, Node.js, Socket.io*

- A simple full-stack chat application where you can message other users or groups using the MERN tech stack.
- Built on React with styled-components to create beautiful and dynamic pages and navigation.
- Adopted MongoDB for data storage, designed different schemas for users and messages, and data access services to communicate with the database.
- Used NodeJS and Express framework to build service side logic and designed and developed Restful API and services to interact with data storage layer

Horns Race | *React, Socket.io, styled-components*

- Using React.js and the Socket.IO library, created a graphical web typing game where users can compete in typing trials or compete in a real-time typing race against other users

Noosh Mix | *Javascript, Python*

- A python script that utilized the command-line tool Youtube-DL to automatically download songs from Youtube, surrounded by an interface developed using React.

Activities

Texas Talaash (Dance Team)

Sep 2020 – Present

- Competed in dance competitions nationwide while practicing 20 hours per week
- Created social media graphics in Photoshop and After Effects alongside team photography and videography
- Designed and developed team website at texastalaash.com from end-to-end using React and CSS

UTCS Programming Club

Jan 2021 – Present

- Participated in weekly algorithmic programming contests representing the University