

Manish Bhandari

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EDUCATION

> The University of Texas at Austin

Austin, Texas

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

Aug. 2019- May 2023

Relevant Coursework: Data Structures & Algorithms, Computer Architecture, Discrete Mathematics, Probability, Linear Algebra, Competitive Programming, Digital Media Production

Activities: **Texas Talaash (Bollywood/Fusion dance team)** - Tech Chair
UTCS Competitive Programming Club - Member

SKILLS

> Proficient

- Java, Javascript, HTML/CSS, Python, React.js, Node.js, Angular

> Intermediate

- C, C#, Swift, Git, Firebase, Google Cloud Platform

EXPERIENCES & ACTIVITIES

> Houston Independent School District, Student Intern

June - August 2019

- Implemented a Hadoop Map Reduce system on a cluster of Raspberry Pi 3
- to manage large data sets of student reports
- Learned the basics of Parallel Computing and Big Data management
- Shadowed other IT professionals in the field

> Undergraduate Teaching Assistant, CS Fluency

Januray 2021- Current

- Introduced students to Computer Science concepts.
- Lead weekly discussion sections to reinforce course material
- Graded student assignments and provided feedback
- Held office hours to further assist students

> Nepalese Heritage Union (NHU), Technology Director

2016 - 2019

- Organized Nepalese cultural events in the greater Houston area.
- In charge of creating and managing the NHU website using React.js
- Created several posters, banners, and other graphics

SELECT PROJECTS

> Laundry Line (iOS and Android Application)

- Developed an iOS/Android mobile application using React Native and XCode with extensive UI/UX designs to help manage the laundry for college students in residence halls.
- Implemented a Firebase & Redux system to store and update data in real-time with elaborate sign-in authentication & email verification system.

> Horns-Race (web application)

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

> Poker Simulation (web application)

- Built a full-stack web app to allow users to simulate and visualize outcomes of poker hands against opponents of different playstyles using the card.js framework for front-end
- Utilized sci-kit learn in Python to simulate possible outcome under different scenarios that the user chose

SKILLS

- Fluent in Nepali and Hindi
- Hobbies: Film making, Graphic Design, Photography, 3d paper modeling, Biking