





Pravat Bhusal

Software Engineer

Dallas and Austin, TX (US Citizen)

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EDUCATION

B.S. Computer Science

University of Texas at Austin

Class of May 2021 (3.82 GPA)

• Data Structures and Algorithms • Modern Web Apps • IOS Mobile Computing
• Operating Systems • Computer Architecture • Linear Algebra • Statistics

WORK EXPERIENCE

Software Engineering Intern

EOG Resources

May 2020 - August 2020 Houston, TX

Achievements/Tasks

- Programmed a map, playback system, and highcharts that track and visualize the **entire world's** crude oil inventories
- Presented the software at a conference and received praise from the users of the app: CEO, COO, EVP, and other executives
- Developed the frontend using **React**, **Redux**, and Sagas
- Structured the API using **C#**, **ASP.NET**, and **MemSQL** queries

Full Stack Engineer - Contracted

Edge Learning

December 2019 - August 2020 Austin, TX

Achievements/Tasks

- Architected a **React Redux** app that tracks student progress for college readiness to parents and guardians
- Understood the **business value** of the product and promoted solutions during weekly meetings with board executives
- Stored and formatted user data using **Express** and **MySQL**
- **Deployed** the app on Microsoft **Azure** using **Docker** to maintain a **scalable** and **containerized** environment

Undergraduate Researcher

University of Texas - Big Data in Biology

Jan. 2019 - December 2019 Austin, TX

Achievements/Tasks

- Researched next generation sequencing outputs to study gene expression patterns associated with ALS disease
- Utilized **Scikit-learn** to process terabytes of RNA-seq data and **Matplotlib** to visualize the gene expression of autism

Android Instructor

University of Texas - Mobile App Development

August 2018 - May 2019 Austin, TX

Achievements/Tasks

- Presented lectures about the Android life cycle, Android SDK, **Material Design**, **Networking**, and **SQL Databases**
- Evaluated programming assignments and held weekly meetings about the latest news in the Android community

SKILLS



JavaScript

Highly Proficient

Java

Proficient

Python

Proficient

C#

Intermediate

PHP

Intermediate

C / C++

Intermediate

PROJECTS

Flare (11/2019)

- A **React Native** app that uses a **convolutional neural network** to classify the victim density from images of natural disasters
- Integrated **Tensorflow**, **Keras**, Scikit-learn, and Jupyter to build the deep learning algorithm

Longhorn Dining (07/2019)

- A **Flask** web-app that **web-scrapes** the UT dining menu and filters food items by dietary restrictions
- Served **2500+** users and featured on The Daily Texan newspaper

Copit (06/2019)

- A real-time **React Native** app using **Socket.IO** for students to ping freebies, events, parties, and many other activities nearby their area
- Implemented Google Maps API, **SMTP**, salted user authentication system, and a **MySQL** database

Smart Rates (01/2019)

- A **responsive** web-app that graphs the real-time market value of a user's cars using a **Flask** server that integrates Marketcheck with the Smart Car API

S.T.E.A.M. Achievers Games (05/2018)

- A **CRUD** web-app that allows for teams to upload and play their game submissions for the S.T.E.A.M. Achievers Hackathon at UT Dallas
- Programmed the infrastructure using **JavaScript**, **jQuery**, **Bootstrap**, **PHP**, and **MySQL**

Spoodle (04/2018)

- An **Android** e-commerce app that allows people and restaurants to sell or donate leftover food to others at a discounted price
- Engineered the entire e-commerce architecture using PayPal IPN, **PHP**, and **MySQL**