Pravat Bhusal
Software Engineer
Irving and Austin, TX (U.S. Citizen)

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EDUCATION

B.S. Computer Science
University of Texas at Austin

Class of May 2021 (3.82 GPA)   *Austin, TX*
• *Data Structures and Algorithms* • *Operating Systems*
• *Modern Web Apps* • *Statistics* • *Linear Algebra* • *Calculus III*

WORK EXPERIENCE

Software Engineering Intern
EOG Resources

May 2020 - August 2020   *Houston, TX*
Achievements/Tasks

- Engineered a map, chart, and playback system that visualizes global, national, and regional oil supply change of onshore storages and offshore tankers
- Implemented the frontend UI using **React, Redux,** and Sagas
- Structured the API using **C#, ASP.NET,** and **MemSQL** queries
- Planning on presenting the software at a conference to the users of the app: the CEO, CFO, Head of Drilling, and other executives

Full Stack Engineer - Contracted
Edge Learning

December 2019 - August 2020   *Austin, TX*
Achievements/Tasks

- Architected a web-app that tracks and displays student progress for college readiness to parents and guardians
- Designed the frontend UI using **React** and **Redux**
- Engineered the backend using **NodeJS** and **Express** to query a **MySQL** database that stores user data
- **Deployed** the app on Microsoft **Azure** using **Docker** to maintain a **scalable** and **containerinzed** 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
- Integrated **SKlearn** and **Seaborn** to analyze RNA-seq data from autistic patients 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 APIs, and **Databases**
- Evaluated assignments and delivered lectures during weekly discussion sections regarding Android development

SKILLS

React · Redux · NodeJS · Socket.IO · jQuery · TypeScript · Android · Servlets · ASP.NET · Flask · SQL · Docker · Cloud · Linux · Keras · Sklearn

Java	**Expert**
JavaScript	**Proficient**
HTML 5 / CSS3	**Proficient**
Python	**Proficient**
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 design the deep learning algorithm

Longhorn Dining (07/2019) ⬈
- A **Flask** web-app that **web-scrapes** the UT dining menu and displays it with enhanced features
- Generated **2500+** users and featured on The Daily Texan newspaper

Copit (06/2019) ⬈
- A real-time **React Native** app using **Socket.IO** where students ping freebies, events, parties, and many other activities nearby their area
- Implemented Google Maps, a secure account system, **SMTP,** and a **MySQL** database

Smart Rates (01/2019) ⬈
- A mobile and web-application that analyzes the real-time market value of a car using a **Flask** server and 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 entire tech stack using **JavaScript**, **jQuery**, **Bootstrap**, **PHP**, and **MySQL**

Spoodle (04/2018) ⬈
- An **Android** e-commerce app that allows people to sell or donate leftover, but clean, food to others at a discounted price
- Engineered the entire e-commerce architecture using PayPal IPN, **PHP, and MySQL**