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 (3.79 GPA) *Austin, TX*
- *Data Structures and Algorithms • Computer Architecture*
- *Operating Systems • Statistics • Linear Algebra • Calculus*

WORK EXPERIENCE

Full Stack Engineer - Contracted
Edge Learning

December 2019 - February 2020 *Austin, TX*
Achievements/Tasks
- Designed a **scalable** web-app to track students progress for college readiness using **React** and **Redux**
- Engineered the backend using **NodeJS** and **Express** to query the **MySQL** database and store user data

Undergraduate Researcher
University of Texas - Big Data in Biology

Jan. 2019 - December 2019 *Austin, TX*
Achievements/Tasks
- Researched next generation sequencing outputs to study the 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
- Documented next-generational sequencing data on **Jupyter** Notebook for the principal investigator and peers

Android Instructor
University of Texas - Mobile App Development

August 2018 - May 2019 *Austin, TX*
Achievements/Tasks
- Presented speeches about the Android life cycle, Android SDK and Docs, **Material Design**, **Networking** and APIs, **Databases**, and Publishing to the Play Store
- Evaluated assignments and delivered lectures during weekly discussion sections regarding Android development

Software Engineering Intern
S.T.E.A.M. Achievers

September 2017 - May 2018 *Dallas, TX*
Achievements/Tasks
- Assigned the **lead role** of the engineering intern group among 11 other interns under an **Agile** management
- Developed and designed the S.T.E.A.M. Achievers Hackathon website using **HTML 5, CSS 3, JavaScript**, and **Bootstrap**
- Programmed the server using **PHP** and **SQL** to query the **MySQL** database and store uploaded content

SKILLS

React Redux Socket.IO NodeJS jQuery
Android Servlets JSP SQL Cloud Linux
Flask Pandas SciPy Keras Scikit-Learn

Java	**Expert**
Python	**Proficient**
HTML 5 / CSS3	**Proficient**
JavaScript	**Proficient**
PHP	**Intermediate**
C / C++	**Novice**

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**, Sklearn, 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

EagleEye (08/2018) ⬈
- A **React Native** app and **Bootstrap** website that notifies government officials about infrastructure issues in the local area

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**

SarassA Fashion (02/2018) ⬈
- A **full-stack** e-commerce fashion website built for the SarassA Fashion business using **PHP and MySQL**