




# 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 (3.86 GPA)

• Data Structures and Algorithms • Computer Architecture  
• Statistics • Linear Algebra • Multivariable Calculus

Austin, TX

### I.B. Diploma, High School

Uplift North Hills Preparatory

August 2014 - May 2018

Irving, TX

## WORK EXPERIENCE

### Undergraduate Researcher

University of Texas - Big Data in Biology

Jan. 2019 - Present

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
- Configured **Pandas** DataFrames in a Unix environment
- Documented NGS data on **Jupyter** Notebook with the principal investigator and peers

### Android Instructor

University of Texas - Mobile App Development

August 2018 - May 2019

Austin, TX

Achievements/Tasks

- Mentored UT Austin students about how to program in Android Studio, design layouts, and install the **Android SDK**
- Evaluated assignments and delivered lectures during weekly discussion sections regarding Android development
- Organized lecture plans with fellow Android instructors
- Presented speeches about the Android life cycle, Android SDK and Docs, **Material Design**, **Networking** and APIs, **Databases**, and Publishing to the Play Store

### 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
- Compiled feedback from partners in Dell, Microsoft, and other tech companies about the website's architecture

## SKILLS



Java

Expert

Python

Proficient

HTML 5 / CSS3

Proficient

JavaScript

Proficient

PHP

Intermediate

C / C++

Novice

## PROJECTS

### 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

### 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**

## ACHIEVEMENTS

2017 cPanel & FreeCodeCamp Hackathon 1st Place

Awarded 1st Place for the best mobile app, GreenView, out of 50+ other competitors

S.T.E.A.M. Achievers Hackathon 1st Place (08/2017)

Awarded for the best game programming and design at UT Dallas

B.E.S.T. Robotics Engineering Award (11/2017)

Awarded twice for the best engineering and programming design