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 2021 (3.86 GPA)   *Austin, TX*
• Introduction to Programming • Data Structures and Algorithms
• Discrete Math • Big Data in Biology • Calculus 1,2, and 3

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

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

HTML 5 / CSS 3   **Proficient**
Python   **Proficient**
Java   **Proficient**
JavaScript   **Intermediate**
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