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

pravat.bhusal@gmail.com ✉
shadowsych.github.io HTTP
github.com/Shadowsych
linkedin.com/in/pravat-bhusal

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 - Present   *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