Pravat Bhusal
Software Engineer

Irving and Austin, TX (U.S. Citizen)

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shadowsych.github.io 🌐

github.com/Shadowsych ⌨

WORK EXPERIENCE

Undergraduate Researcher
University of Texas

01/2019 – Present   *Austin, TX*

Achievements/Tasks
- Analyzed next generation sequencing outputs to study the gene expression patterns associated with ALS disease
- Utilized Python DataFrames in a Unix environment for Differential Expression Analysis
- Documented NGS data on Jupyter Notebook with the principal investigator and peers

Android Instructor
UT Austin Mobile App Development

08/2018 – Present   *Austin, TX*

Fostering a learning environment about mobile development through workshops, hack nights, and conferences

Achievements/Tasks
- Taught UT Austin students about how to program in Android Studio, create layouts, and use the Android SDK
- Programmed assignments and wrote lecture plans for weekly discussion sections regarding Android development
- Lectured about the Android life cycle, Android SDK and Docs, Material Design, Networking and APIs, Databases, and Publishing to the Play Store

Web-Developer Intern.
S.T.E.A.M. Achievers

09/2017 – 05/2018   *Dallas, TX*

Promoting Science, Technology, Engineering, Arts, and Mathematics among children within the DFW community

Achievements/Tasks
- Assigned the lead role of the engineering intern. group among 11 other interns
- Programmed a mobile-responsive website using JavaScript, Bootstrap, PHP, MySQL to upload hackathon submissions for an annual hackathon ↗
- Listened to feedback from partners in Dell, Microsoft, and other tech. companies about the website's architecture

EDUCATION

B.S. Computer Science
University of Texas

08/2018 – 05/2021   *Class of 2021, GPA: 4.0*

I.B. Diploma, High School
Uplift North Hills Preparatory

08/2011 – 05/2018

SKILLS

`Node` `ReactJS/Native` `Redux` `Android Studio` `Socket.IO` `Flask` `MySQL` `Unix/Linux` `Cloud`

PERSONAL PROJECTS

Smart Rates (01/2018)
- A React Native mobile and web-application that analyzes the real-time market value of a car using the Smart Car API

FastPass (10/2018)
- A React Native app that speeds-up the boarding pass process using facial recognition

EagleEye (09/2018)
- A React Native app that notifies government officials about infrastructure issues

Spoodle (04/2018)
- An Android app that allows people to sell or donate leftover, but clean, food to others at a discounted price

SarassA Fashion (02/2018)
- A PHP e-commerce fashion website built for the SarassA Fashion business in Dallas, Texas

ACHIEVEMENTS

Toyota/APIASF Scholarship (05/2018)
Awarded a $2500 scholarship for high-achieving academics in STEM

cPanel and FreeCodeCamp Hackathon 1st Place (01/2018)
Awarded 1st place by programming a mobile app named "GreenView"

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

LANGUAGES

Language	Proficiency
HTML, CSS	● ● ● ● ●
JavaScript	● ● ● ● ○
Python	● ● ● ● ○
Java	● ● ● ● ○
PHP	● ● ● ○ ○
C#	● ● ○ ○ ○
C, C++	● ● ○ ○ ○