PRAVAT BHUSAL

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https://github.com/Shadowsych

https://shadowsych.github.io/

EDUCATION:

B.S. Computer Science, University of Texas: *August 2018 – Present* (Current GPA: 4.0)

High School/I.B. Diploma, Uplift North Hills Preparatory: *Graduated May 2018*

SOFTWARE SKILLS:

Programming/Scripting Languages: JavaScript (ES6), Java, Python, PHP

Software Stack: HTML5, CSS3 (SaSS), ReactJS + Redux, Flask

Databases: MySQL, PostgreSQL

PERSONAL EXPERIENCE:

Undergraduate Researcher for Big Data in Biology *January 2019 – Present*
- Analyzed RNA-sequencing datasets through next generation sequencing (NGS) technologies to study the gene expression patterns associated with amyotrophic lateral sclerosis (ALS) at the University of Texas
- Utilized Python DataFrames in a Unix environment for Differential Expression Analysis
- Documented NGS data on Jupyter Notebook with the principal investigator and peers

Web-Developer Intern at S.T.E.A.M. Achievers *September 2017 – May 2018*
- Assigned the lead role of the Science, Technology, Engineering, Arts, Mathematics (S.T.E.A.M.) Achievers computer science intern group (out of 11 interns)
- Programmed a mobile-responsive website for the S.T.E.A.M. Achievers hackathon
  - https://github.com/Shadowsych/steamhackathon.org
- Listened to feedback from partners in Dell, Microsoft, and other technology companies regarding the website's design paradigms

Founder of Virtue Development *September 2014 – August 2017*
- Managed up to 10+ members of artists, programmers, and project managers
  - https://github.com/ZeFruitFly
- Organized Synced Online - a social-media website for freelance coders and artists with over 30,000 registered users
  - http://www.syncedonline.com
- Programmed with Java Servlets, JDBC (PostgreSQL), Jetty, PHP, and ActionScript 3.0 using AWS EC2 running on a Unix virtual machine

CAMPUS LEADERSHIP/AWARDS:
- **Mobile App Development (M.A.D.) Android Instructor:** Android Instructor for the UT Austin M.A.D. organization through lectures about Java and the Android SDK
- **S.T.E.A.M. Achievers Hackathon Amani Award**: Awarded for the best game programming and design out of 104 other hackathon competitors at UT Dallas
- **cPanel and FreeCodeCamp Hackathon 1st Place:** Awarded for best application by programming a mobile app named "GreenView" out of ~50 competitors
- **B.E.S.T Robotics Engineering Award:** Awarded twice for the best engineering and programming design at the Dallas B.E.S.T. competition among ~40 other schools

AREAS OF INTERESTS: Full-Stack, Mobile, and Big Data Engineering

Authorized to work as a citizen of the United States.