ISHPREET SINGH BHASIN

Richardson, TX
Work Authorization: F1 Student Visa

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EDUCATION

Bachelor of Science in Computer Science — The University of Texas at Dallas **May 2022**
Academic Excellence Scholarship Current GPA: 3.841

CBSE All India Senior School Certificate Examination — BBPS Pitampura, Delhi, India **2018**
Graduated with benchmark scores in Computer Science and Physics.

PROGRAMMING SKILLS

Languages: C, C++, Java, JavaScript, TypeScript, PHP, SQL, HTML, CSS, Python, Assembly, Bash
Client-side development: Angular, React, Gatsby.js, Next.js, jQuery, SASS
Server-side development
- **Node.js:** NestJS, Express, Apollo, MongoDB, GraphQL
- **PHP:** CodeIgniter, WordPress, MySQL, MariaDB

Robotics: Arduino, LEGO Mindstorms EV3
DevOps: npm, Git, Docker, Google Cloud Platform

WORK EXPERIENCE

Undergraduate Learning Assistant — Department of Mathematical Sciences, UT Dallas **Aug. 2019 - Present**
Linear Algebra instructor for math problem sections. Work with a Graduate Teaching Assistant to employ active learning techniques for helping students solve mathematical problems related to concepts taught in lectures.

Web Development Intern — MyMobiForce, Noida, India **Summer 2019**
Worked on an app that connects freelancing field engineers to service companies in India. Developed front-end modules using Angular that allow administrators to assign work orders to their employees and freelancers.

ACTIVITIES

ACM Ignite Project Leader — Association for Computing Machinery at UT Dallas **Sept. 2019 - Dec. 2019**
Worked on an app that helps college students save money by splitting supplies bought in bulk. Programmed a server using NestJS, TypeScript, and MongoDB. Integrated it to a React Native app using GraphQL.

Club Member — Codeburners **2018 - Present**
Compete against in-house teams in competitive programming contests testing knowledge of data structures, algorithms, and Java. Discuss strategies and solutions with other teams and mentors in weekly club meetings.

Robot Programmer — Robotics at UT Dallas **2018**
Won 2nd place in the in-house robotics competition
Built and programmed a robot that pops balloons placed on other robots while defending its balloons. Used C++ to program the Arduino board and Python with the Pygame library to translate joystick axes values to motor speed values.

President and Founder — Byte Club at BBPS Pitampura **2016 - 2018**
Started the computer club in high school. Led the club to programming competitions hosted by other schools in the city. Developed the club website and event management system using PHP, SQL, and CodeIgniter.

PROJECTS

Newtral — HackUTD **(Sponsor Prize Winner)** **Fall 2019**
A chrome extension that helps news readers think more critically about the online content they read. Uses Natural Language Processing on Python to identify parts of an article that sound opinionated or biased.

Sense Your Own Adventure — HackUNT **2019**
A choose-your-own-adventure game that helps visually impaired children improve their typing speed and accuracy in a fun way. Developed the game client using React. Stored the story in MongoDB and served it to the client using Express.

SpaceFinder — HackUTD **(Third Place Winner)** **Spring 2019**
Made an app to help college students find empty study rooms and organize study sessions. Developed using PHP, SQL, and CodeIgniter. Used Google Cloud Platform for OAuth 2.0 sign in.

More projects: ishpreet.me/projects github.com/ish-101 devpost.com/ishpreet2000