Sidharth Venkatesh

Ph: +1(765)775-8809   Website: sidv.me   Email: sidv@purdue.edu

EDUCATION

Purdue University   **West Lafayette, IN**
Bachelor of Science in Computer Science [GPA: 3.85]   May 2021
Courses: Advanced Algorithms, Operating Systems, Relational DB, Machine Learning, Data Structures

COMPUTER SCIENCE AND ENGINEERING WORK EXPERIENCE

Microsoft Corp.   **Redmond, WA**
Software Engineer Intern, Core Services Engineering & Ops – HR Foundational Services   May – August 2020
- **Integrated** SAP HR data and SAP SuccessFactors HR data into a single cohesive storage using Azure Data Lake and Azure Databricks
- **Built** the backend microservices pipeline that would pull the data and apply the newly created data models for storage and reduce the time for data processing from upwards of 48 hours to few minutes

Software Engineer Intern, Core Services Engineering & Ops – Data Science   May – August 2019
- **ML Platform Team** – A complete E2E automated solution to provision Azure resources, Repositories, Area Paths, Notebooks and more to bring down the setup time from **few weeks to under a day** to be used in a ML or Analytics Project.
- **Designed and built** a frontend UI using Office UI Fabric React and TypeScript
- **Researched** and **Implemented** user experience techniques, compliance and **accessibility** standards
- **Partnered** with **T-Mobile** in the Microsoft Hackathon to **autonomously** drive a car using image recognition and supervised learning

Qualcomm Inc.   **San Diego, CA**
Interim Engineering Intern, Camera Test Development Team   May – August 2018
- **Localized the camera testing process** by eliminating the connection between the PC and the camera test device, thus improving test times and ability to add more complex and randomizable test suites
- **Built an end-to-end tool** that translates multiple testcase XMLs into complex feature tests
- **Researched** and **Implemented** different data mining techniques and NLP to analyze log files
- **Won overall 2nd** and **'Best Innovative Hack'** at Qualcomm's **Hackmobile** for building a **biometric security system** for physical controls using a Dragonboard 410c, facial recognition AI & a physical knob

Engineering Projects in Community Service (EPICS)   **Purdue University**
Greater Lafayette Special Services (GLASS) – TOSS Team   Jan - May 2018
- **TOSS** is a **motorized ball-launching** system to allow children with disabilities such as cerebral palsy to participate in physical activities that require throwing or kicking a large ball, such as kickball

Projects

- Twister – A reddit/twitter-like application where users can create, share, interact with posts and content
- GoOut! **–** An event management app where users can RSVP to events and organizers can create events
- SnapCalendar – Take pictures of event posters and see it automatically added into your Google Calendar

LEADERSHIP EXPERIENCE

Purdue Undergraduate Teaching Assistant   **Purdue University**
CS 240: C Programming   August – December 2018
CS 250: Computer Architecture   August 2019 - Present

Purdue University Cricket Club   **Purdue University**
Community Service Officer   January 2018 - Present
- Responsible for organizing and overseeing club events and cross-club participation