Sidharth Venkatesh

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EDUCATION

Purdue University   **West Lafayette, IN**
Bachelor of Science in Computer Science [GPA: 3.85]   May 2021
Courses: Advanced Algorithms, Operating Systems, Relational DB, Data Mining, 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 of over 262,000+ employees into a single container using Azure Datalake and Azure Databricks
- **Built** the backend microservices ETL pipeline that would pull raw data, clean & transform data into an improved data model using Databricks and then load into a datalake container
- **Reduced** the time for all HR data processing from upwards of 48 hours to 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 testcase XMLs into complex feature multi-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

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