

SHARAN ARKALGUD

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EDUCATION

University of Illinois at Urbana-Champaign

Expected May 2019

- B.S. Computer Science, Minor in Technology & Management, James Scholar
- GPA: 3.63/4.00

EXPERIENCE

Software Engineering Intern

May 2018-Aug 2018

Facebook

Menlo Park, CA

- Built and tested feature on mobile website to aid company initiative of increasing posting to Facebook Stories.
- Created posting functionality to enable 2.27 million mobile website users to post more types of content to Facebook Stories.
- Utilized Hack, PHP, HTML, CSS, and Javascript.

Software Engineering Intern

May 2017-Aug 2017

Garmin International

Kansas City, KS

- Designed and built REST APIs that provided backend support, such as GDPR compliance, to Garmin products.
- Optimized and tuned memory usage and database interactions for device error reporting system.
- Utilized Spring, Maven, JAVA, HTML, JavaScript, JQuery, SQL and CSS to build systems and APIs.

Co-founder of AVA Technology

Nov 2016

- Founded company that creates solutions to everyday problems faced by college students.
- Developed web application for Cheqlo: a multi-platform application that streamlines event management.
- Utilized HTML, CSS, Java Script, and Firebase to build website.

Research Programmer

Oct 2016

Cognitive Computation Group

Champaign, IL

- Collaborated with PhD student to develop pipeline for a name entity recognition annotator.
- Developed methods to improve efficiency of annotator as well as evaluate its accuracy.
- Utilized Maven and Java while working on annotator.

WSDM Cup 2017

Sep 2016-Dec 2016

- Created a data mining pipeline to detect vandalism in Wikidata revisions using 22 GB of training data
- Implemented a random forest classification algorithm to train on data.
- Utilized Scikit and Python to build pipeline.

LEADERSHIP

President of Association for Data Science and Analytics

May 2018

- Lead club of 50 students that sets up weekly events to teach students about tools related to data science and analytics.
- Responsible for expanding membership, leading data analytics projects, and finding corporate sponsors.

Engineering Orientation – Engineering Learning Assistant

Fall 2017

- Taught 6-week class to 25 incoming freshman students about how to be successful in their college career.
- Covered concepts such as college resources, course planning, and mental health.

HONORS AND ACHIEVEMENTS

Midwestern winner of West Monroe Partners Tech Case Competition

Mar 2018

- Built web application to help restaurant take orders, manage inventory, and view amount of cash present in business.
- Competed against 4 teams and presented application to heads of the technology practice within the company.
- Implemented using HTML Bootstrap, Flask, and Python.

Midwestern winner of West Monroe Partners Tech Case Competition

Mar 2017

- Built and presented web application to help company efficiently staff multiple internal projects.
- Developed tools to search employee database based on metrics such as skills, availability, and past projects.
- Implemented using HTML, Bootstrap, and Caspio database software.

3rd place in Ab InBev Bud Labs Hack the World Hackathon

Sep 2016

- Built interactive platform to educate small farmers about agricultural technology.
- Created text alert system for soil sensors and interface to display live sensor readings on website.
- Implemented Twilio API, and Flask web framework in Python to build platform.

Phi Gamma Nu Professional Business Fraternity

- Offered membership for incoming class of 26 new members, out of 400 applicants.

Boy Scouts of America Eagle Scout

- Completed over 200 hours of community service to plan and lead others in service projects.

TECHNICAL SKILLS

Proficient: Python including NumPy, and, SciPy Packages, JAVA, C++, C, PHP, Javascript, git, and mercurial

Comfortable: HTML, CSS, MATLAB, SQL, Spring, Linux operating systems