

AYUSHI SINGH

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Education

University of Illinois at Urbana-Champaign, Bachelor of Sciences — present, Class of 2021

GPA: 3.84

- Major: Computer Science & Statistics
- Junior Standing
- Dean's List

Notable Current Coursework

- Software Design Studio
- Discrete Structures
- Applied Linear Algebra

Professional Experience

Software Engineering Intern, CloudFabrix — Pleasanton, CA

May 2018 - present

Innovation Intern, Ameren — Champaign, IL

October 2017 to May 2018

- Created a website connecting Corporate Office to iCenter (intern hub) using Django, Python, & RESTful APIs
- Conducted data analysis to unravel patterns present in Ameren customer data using Hive, PySpark, and SQL
- Worked in multidisciplinary teams (specifically, worked with a UI/UX designer to create a user-friendly website)

Software Engineer Intern, Tetration Analytics (acquired by Cisco Systems) — Palo Alto, CA

Summer 2016

- Company provides visibility to a data center's network flow; analyzed conversation data retrieved from sensors/agents sitting on each machine and explored possible patterns in conversations and application usage
- All data was stored as protobufs; encrypted and decrypted these files to retrieve JSON data

Projects

[UIUC Bot](#), Facebook Messenger ChatBot — Urbana, IL

December 2017

- Developed a chatbot to answer questions about the UIUC; trained bot through Wit.AI and deployed via Heroku

[Can't Handle Exception](#), Stock Market Predictive Analysis — Urbana, IL

September to October 2017

- Analyzed and predicted stock market data with Alpha Vantage, SciKit-Learn, Tweepy, and sentiment analysis

aSTARoids, Virtual Reality Android Game — Pleasanton, CA

May to June 2016

- Created a virtual reality game where users shoot asteroids; used Unity, C#, Android Studio, & Google Cardboard

[HealthConnect](#), Alameda County Hackathon — Oakland, CA

May 2016

- Integrated databases consisting of hospital data in Alameda County to design an app that allows users to filter and view data such as patient wait times and nearest hospitals; received Honorable Mention and \$500

Leadership

[HackIllinois](#), Summer Team Staff, Experiences Committee — Champaign, IL

April 2018 to present

- Articulating the big-picture planning of the event and handling logistical tasks regarding the hackathon

[Association of Computing Machinery \(ACM\)](#), Corporate Committee — Champaign, IL

January 2018 to present

- Contacting companies to sponsor ACM events and network with UIUC students

[Reflections Projections \(R/P\)](#), Staff, Content & Experience Committee — Champaign, IL

January 2018 to present

- On the Content and Experience committees for the largest student-run tech conference in the Midwest
- Responsible for contacting interesting speakers in industry for the Artificial Intelligence & Deep Learning track

[CS @ ILLINOIS Sail](#), Co-Director — Champaign, IL

November 2017 to present

- Planned a one-day CS outreach event at UIUC for 800 attendees alongside a team of seven

[Women in Computer Science](#), Head of Social — Champaign, IL

October 2017 to present

- Host engaging events year-round, including end-of-semester banquets with department staff and students

Technical Skills

- Java, Python, C++, SQL, Numpy, Pandas, HTML, CSS