

JASNEET THUKRAL

Location: Cupertino, CA — Cell: 408-816-0392 — Email: jasneet2@illinois.edu — Web: jasneetthukralportfolio.com

EDUCATION

University of Illinois at Urbana-Champaign

Bachelor of Science, Computer Science and Statistics

GPA: 3.58

Honors: Dean's List (Fall 2018, Spring 2020)

Relevant Coursework: Data Structures, Software Design, Systems Programming, Applied Statistics Programming, Database Systems, Distributed Systems, Network Security, Applied Machine Learning, Linear Algebra

Urbana, IL

Dec 2021

EXPERIENCE

MetLife

Data Science Intern

Raleigh, NC

Jun 2020 - Aug 2020

- Developed clustering model to analyze server log data and detect early signs of DDoS attacks and public-key compromises, enabling security team to block potential cyber attacks [Splunk, Pandas, NumPy]
- Built classification model to categorize new system vulnerabilities and automatically flag appropriate teams for resolution, achieving 99% accuracy and eliminating need for manual assignments
- Created visualizations and dashboards in Splunk to help security teams quickly extract insights from log data

AbbVie

Software Engineering Intern

Urbana, IL

Apr 2019 - Sep 2019

- Automated task of processing and uploading clinical trial data to company servers, thereby eliminating need for manual pre-processing [Blue Prism Automation Software, C#]
- Restructured company's clinical-trial data pipeline from ground-up to streamline queries directly to front-end, increasing application efficiency by 500% [SQL, Oracle Client]
- Presented project at AbbVie headquarters and recognized for being only intern team with production-ready product, with estimated project savings of \$200,000+/year

University of Illinois at Urbana-Champaign

Data Science Research Intern

Urbana, IL

Feb 2019 - Jul 2019

- Published report to evaluate Champaign County community welfare based on various metrics. Created visualizations to present data in a digestible format, making it easier for city council to evaluate community's well-being
- Engineered large scale regressive model via Python and R to better predict bus delays on campus

LEADERSHIP

Reflection Projections Lead Organizer

- Organize one of the largest student-run technology conferences in the Midwestern United States
- Raise awareness about inclusivity and diversity in the workplace by hosting technical talks and events with companies

PROJECT HIGHLIGHTS

Augmented Reality Marketplace (Android App) — HackIllinois 2020 Winner

- Developed augmented reality app to deliver immersive shopping experiences, 3D product renderings, and virtual showrooms. Customers can view 3D renderings and experience products virtually before purchasing [Firebase, React Native]

NBA Foreign Talent Scout (Website) — Personal Project

- Built online tool to help NBA scouts recruit foreign talent into basketball leagues using custom machine learning algorithms via Pandas and Scikit-Learn. Configured, tested, and deployed from end-to-end using a Flask, MySQL, Jinja stack

SKILLS

Computer Languages

Java, JavaScript, HTML/CSS, Python, C, C++, R

Tools/Technologies

SQL, React, AWS, PHP, Flask, MongoDB, Splunk, Git

CERTIFICATIONS

Cloud and Distributed

AWS Cloud Practitioner, AWS Developer Associate (In Progress)