

Suhirtha Raj
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Education	University of Illinois at Urbana-Champaign Expected graduation date: May 2021 B.S. Computer Science and Minor in Applied Statistics GPA: --/4.00 (official on-campus GPA applicable after Fall 2017) Neuqua Valley High School Magna Cum Laude National Merit Finalist, National AP Scholar GPA: 4.45/4.00
Technical Skills and Coursework	Languages: Java (proficient), Python (intermediate) CS 357: Numerical Methods [Spring 2018] CS 361: Probability and Statistics for Computer Science [Spring 2018] CS 173: Discrete Structures [Spring 2018] CS 126: Software Design Studio [Spring 2018] CS 125: Introduction to Computer Science [Fall 2017] CS 196: Honors section of 125 – a project-based practical learning experience [Fall 2017] MATH 415: Applied Linear Algebra [Fall 2017] Online Python Course [Summer 2015]
Project Work	Green Street Restaurant Closings [in progress]: a project in predictive analytics that uses an algorithm to determine the possibility of an on-campus restaurant closing down in the near future. <ul style="list-style-type: none">• Leading the back-end and data science team; primarily in-charge of collecting information regarding popularity from Yelp using its Fusion Rest API.• Processing and posting the JSON response to Firebase (a cloud-based noSQL database) for data analysis.• Using web-scraping methods to determine how the data from reviews, public health inspection records, lease contracts and other sources can be used to make a prediction. Technology: Python, Firebase, Rest API, JSON, Postman
Work/ Volunteer Experience	Assistant Teacher at the Nrithya Sangeeth School of Dance <i>Aug 2016 – May 2017</i> <ul style="list-style-type: none">• Led a team of three senior students in assisting the education of ~40 beginner and intermediate-level dance students.
Leadership and Activities	Women in Computer Science at UIUC – Outreach Committee [Present] Society of Women Engineers (SWE) [Present] IlliniHackers [Present] SIGPwny (ACM Special Interest Group for Cyber Security) [Present] CodeAda: All-female Illinois Hackathon

Member of Executive Board for DECA Competitive Business Chapter

Aug 2015 – May 2017

- Three-times national qualifier and gold medalist in the Principles of Marketing, Business Service Marketing, and Start-up Business Project events.
- Mentored freshmen and other novices to prepare for District, State, and National-level competitions. Prepared lesson plans and role-play examples to mimic competition conditions – and served as the judge for over 50 practice role-plays.
- 70% of mentees went on to compete at the State or National levels.

Fermilab Saturday Morning Physics Program

Dec 2015 – May 2016

- Selected to attend a series of lectures on Quantum Mechanics and Particle Physics by renowned physicists of the international scientific community.
- Graduated from the program in May 2016 after attending all lectures and full participation in all labs and facility tours.