

Satvik Sethia

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Education

- **University of Illinois at Urbana-Champaign**, Urbana, IL.
B.S. LAS Computer Science + Linguistics
Expected Graduation – Dec 2020
GPA – 3.83
Dean's List – Fall 2017, Fall 2018
- **The Heritage School**, Kolkata, India.
First in class, 96.8% (ISC 2017)

Skills and Coursework

Skills

- | | | |
|--------------|-----------------|--------------|
| • Java | • C++ | • Python |
| • Kotlin | • HTML | • CSS |
| • JavaScript | • PHP | • MongoDB |
| • Clojure | • Racket | • JSON |
| • AWS | • Verilog | • Unity (C#) |
| • Linux | • MIPS Assembly | |

Relevant Coursework

- CS 125 – Intro to CompSci
- CS 126 – Software Design Studio
- CS 173 – Discrete Structures
- MATH 241 – Multivariable Calculus
- LING 301 – Elements of Syntax
- CS 225 – Data Structures
- CS 233 – Computer Architecture
- MATH 347 – Fundamental Math
- LING 307 – Semantics & Pragmatics
- CS 196, 296 – Honors

Leadership Positions

- **Secretary – Interact Club**
Donated clothes and household equipment to the school help, organized a cultural program for special needs children, and distributed blankets to the homeless.
- **House Captain**
Won the March Past Cup by training a squad of 33.
- **Treasurer – Publications Club**
Edited the annual high school magazine.

Work Experience

- **Web Development Intern – Pasfar Technologies Pvt. Ltd. (Cashfree)**
Designed and built the demo for all their products. Worked with PHP, MongoDB, cURL and REST APIs to configure a notification sender-receiver, automate addition of leads, blocking emails, bug reporting, etc. (Jun 2018 – Aug 2018).
- **Course Developer – CS125 (Intro to CompSci)**
Working on a plug-in for IntelliJ IDEA to monitor student activity on course assignments (Aug 2018 – Present).
- **Staff Writer – The Daily Illini (Sports)**
Following and covering the Fighting Illini Women's Tennis and Women's Gymnastics events for the student newspaper (Nov 2017 – Present).
- **Illinois Student Admissions Representative – University of Illinois Admissions**
Giving two-hour long tours of the University of Illinois to prospective and admitted students and their families (Dec 2017 – Present).

Projects

- **ImageEncrypt**
Implemented an image encryption algorithm based on the Rubik's Cube principle and created the app for an image encryption library (C++, Flutter).
- **Syntax Trees**
Made an application for generating the syntax trees of a sentence (given its part of speech tags) using the rules specified by the X-Bar Theory (Microsoft Visual Studio, openFrameworks v9.8, CS 126 2018).
- **Backbeat**
Modified and enhanced the analysis methods for a music app that outlines the user's deviation from a target BPM. Presented a working demo of the app (Python, CS 196 2017).

Extracurricular Activities

- **Music**
Won numerous individual and team awards by performing with the high school band for 5 years, played the keyboard and guitar. Learned the piano at the University.
- **Model UN**
Won an award at every Model UN Conference attended as International Press (IP). Chaired IP at The Heritage School Model UN Conference (National, 2016 and 2017).
- **Student Exchange Program**
Travelled to Germany as part of a Student Exchange Program (Pasch 4, 2014).