

# SATVIK SETHIA

308 E Green St, Champaign, IL 61820 | (630)440-4711 | [ssethia2@illinois.edu](mailto:ssethia2@illinois.edu)  
<https://ssethia2.github.io> | <https://linkedin.com/in/satviksethia> | <https://github.com/ssethia2>

## EDUCATION

---

### University of Illinois at Urbana Champaign

*Bachelor of Science, Computer Science + Linguistics*  
GPA – 3.84, Dean's List

Urbana, IL

*Expected December, 2020*

## WORK EXPERIENCE

---

### Yupik Language Laboratory

*Research Assistant*

Urbana, IL

*Feb 2019 – Present*

- Engaged in revitalizing St. Lawrence Island (Siberian) Yupik, an acutely under-resourced indigenous language.
- Working on Forced Alignment and an Automatic Speech Recognizer, with speech synthesis being the ultimate goal.

### Cashfree

*Software Development Engineer Intern*

Bengaluru, India

*Jun 2018 – Aug 2018*

- Designed the demo for all products using PHP and JavaScript.
- Wrote a heartbeat notification sender-receiver for merchants using Java, PHP, AWS SNS and SQS.
- Collaborated with the sales department and wrote two twitter bots in Python to generate leads, and used the Gmail and Streak CRM APIs to automate their addition to the CRM.

### University of Illinois – Department of Computer Science

*Course Developer/Data Analyst – CS125 (Intro to CompSci)*

Urbana, IL

*Aug 2018 – Present*

- Worked on an IntelliJ plug-in in Kotlin, to facilitate student development on course assignments.
- Calculating the 'true' time students spent on assignments using activity data generated by the plug-in.

## PROJECTS

---

**ImageEncrypt** Working on an image encryption library and mobile app. Implementing an encryption algorithm based on the Rubik's Cube principle in C/C++. Creating the mobile app using Flutter.

**SyntaxTrees** Made an application for generating the syntax tree of a sentence using the rules of the X-Bar Theory. Worked on constructing the tree in C++. Used openFrameworks v9.8 to display the trees.

## SKILLS

---

**Proficient** Java, C++, Python, Kotlin, HTML, CSS, PHP

**Familiar** C, JavaScript, Git, MongoDB, Clojure, Racket, Flutter, AWS

## RELEVANT COURSEWORK

---

\*Artificial Intelligence, \*Systems Programming, Computer Architecture, Data Structures and Algorithms,  
\*Intro Computational Linguistics, Semantics & Pragmatics, Elements of Syntax, Fundamental  
Mathematics, Multivariable Calculus

## EXTRACURRICULAR ACTIVITIES

---

**SigNLL** Member of ACM's Special Interest Group for Natural Language Learning.

**Staff Writer – The Daily Illini (Sports)** Followed the Fighting Illini Women's Tennis, Gymnastics and Soccer teams for the student newspaper.

**Music** Won numerous awards by playing the keyboard and guitar with the high school band for 5 years. Learned the piano at the University.