

# SATVIK SETHIA

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## EDUCATION

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### 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

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### Cashfree

*Software Development Engineer Intern*

Bengaluru, India

*Jun 2018 – Aug 2018*

- Designed the demo for all products using PHP and JavaScript.
- Configured a URL shortener using AWS S3 and Lambda. Outlined a strategy to stop D-DOS attacks.
- 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.

### CS125

*Course Developer*

Urbana, IL

*Aug 2018 – Present*

- Working on a plug-in for IntelliJ in Kotlin, to facilitate student development on course assignments.
- Adding features to detect plagiarism.

### University of Illinois Admissions

*Illinois Student Admissions Representative*

Urbana, IL

*Dec 2017 – Present*

- Guiding prospective students and their families on tours of the University of Illinois campus.

## PROJECTS

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

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

**BackBeat** Made a music app that outlines the user's deviation from a target BPM. Modified and extended the analysis function in Python.

## SKILLS

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

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

## RELEVANT COURSEWORK

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\*Database Systems, \*Systems Programming, Computer Architecture, Data Structures and Algorithms,

\*Intro Computational Linguistics, Semantics & Pragmatics, Elements of Syntax, \*Linear Algebra,

Fundamental Mathematics, Multivariable Calculus

## EXTRACURRICULAR ACTIVITIES

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

**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.