SATVIK SETHIA

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EDUCATION

University of Illinois at Urbana Champaign   Urbana, IL
Bachelor of Science, Computer Science + Linguistics   *Expected December, 2020*
GPA – 3.84, Dean's List

WORK EXPERIENCE

Cashfree   Bengaluru, India
Software Development Engineer Intern   *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.

University of Illinois – Department of Computer Science   Urbana, IL
Course Developer/Data Analyst – CS125 (Intro to CompSci)   *Aug 2018 – Present*

- Worked on an IntelliJ plug-in in Kotlin, to facilitate student development on course assignments.
- Identifying trends in data collected from over 900+ students.

University of Illinois Admissions   Urbana, IL
Illinois Student Admissions Representative   *Dec 2017 – Present*

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

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.

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

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, *Linear Algebra, Fundamental Mathematics, Multivariable Calculus

EXTRACURRICULAR ACTIVITIES

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