S A T V I K S E T H I A

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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 – CS125   *Aug 2018 – Present*

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

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 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

Proficient Java, C++, Python, Kotlin, HTML, CSS, PHP
Familiar JavaScript, Git, MongoDB, CloJure, Racket, Flutter, AWS

RELEVANT COURSEWORK

*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

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.