



**INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, SRI CITY
CHITTOOR, ANDHRA PRADESH**

Siddhant Kushwaha

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EDUCATION

B. Tech. (CSE)	2020	Indian Institute of Information Technology, Sri City	8.22 / 10.0
Class XII (CBSE)	2015	Aryaman Vikram Birla, Nainital	92.8%
Class X (CBSE)	2013	Aryaman Vikram Birla, Nainital	9.8 / 10.0

WORK EXPERIENCE

Analyst Developer, Egregore Labs — August 2019 - Present

I work on building applications for Information Retrieval, and Data Engineering. Some of my works include Table Extraction from images, Multi-threaded programs for faster processing of documents, writing programs to collect data from the web.

Analyst Developer (Full time Intern), Egregore Labs — May 2019 - July 2019

Worked on building solutions for Information Retrieval, Data Structuring, and Data Processing. Also worked on the project for Web Regression Testing Automation.

Android App Developer, Cheruvu — May 2018 - Present

Former Android App Developer intern at Cheruvu, a startup for farmers. Led the app development team and also worked on backend based on Spring and MongoDB. Currently on contract as a Freelance Consultant for the company.

PROJECTS

Table Extraction

August 2019

Worked on identifying tables in images and extracting them based on their grid. OCR was used for text extraction and Open CV was used for identifying and extracting table structure.

Raven: An Android Texting App

Feb 2018 – April 2019

Raven is a texting app that currently has all the basic features of a popular texting app. The idea is to add unique features to this app, like automatic replies and suggestions based on the conversation in real time. These features are currently being worked on.

Pothole Cop

October, 2018

An app that lets users report potholes to the Government based on severity of the issue which is decided via a Machine Learning Algorithm.

Autodidact: A Discussion Forum*Sept 2018 – Dec 2018*

ITWS Course Project in which a stack-overflow inspired discussion forum was built based on Django with a more intuitive UI and UX.

Lucy: A Search Engine for Places*Sept 2018 – Dec 2018*

Worked on crawling cities in the US and India and index them via Lucene based on their key features such as name, country, population, location etc. in order to provide a better searching experience using key concepts of Information Retrieval. A web-based UI was built over this to let users use this information retrieval system.

Dilute: Smart Water Management*Jan 2018 – April 2018*

EIS course project in which a platform was built to monitor and manage water usage in households via an array of sensors. This also included classifying water into different categories based on quality using pH and turbidity levels to promote efficient water consumption.

Plantometer: Plant Healthcare and Monitoring*Aug 2017 – Dec 2017*

Implemented a solution to monitor and improve health condition of plants via an array of sensors, automatic irrigation based on soil-moisture levels and weather conditions.

SOFTWARE SKILL SETS

Languages	: C, C++, Python, Java, Kotlin, PHP, Java Script
Operating System	: Windows 10, Ubuntu, Cent OS
Frameworks	: Git, Django, Android SDK, Ionic, Node JS, Scrapy, Beautiful Soup, Selenium, Katalon Studio, Hadoop, Tensor Flow, Keras, Pandas, Lucene, Open CV, Scikit
Databases	: MongoDB, MySQL, PostgreSQL, Firebase, Firestore
Others	: AWS S3 and EC2, Elastic Search, Kibana, Data Engineering, Information Retrieval, Bootstrap, Angular, Bash

ACADEMIC ACHIEVEMENTS AND CO-CURRICULAR ACTIVITIES

- Google India Hackathon Winner, October 2018, Hyderabad
- Qualified for ACM ICPC Regionals (Coimbatore) 2017
- Qualified Online round of GOOGLE Code Jam 2017
- Won second prize for Appathon at Techfesia'18.

EXTRA CURRICULAR ACTIVITIES**Teaching Assistant, Advanced Data Structures and Algorithms, IIIT Sri City - August 19 - Present**

I Facilitate learning and understanding of various critical concepts in Data Structures and Algorithms for second-year students at IIIT Sri City.

Teaching Assistant in Data Structures and Algorithms, IIIT Sri City - January 19 - April 19

Facilitated learning and understanding of various critical concepts in Data Structures and Algorithms for first-year students at IIIT Sri City.

Teaching Assistant in Digital Electronic Circuits, IIT Sri City - August 18 - December 18

Facilitated learning and understanding of various critical concepts in DEC for first-year students at IIT Sri City.