

# SNEHITH BOOTLA

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## Objective

To obtain a summer 2022 Internship position in the field of Computer Science.

## Education

<b>Indiana University Bloomington</b> , Indiana	<b>May 2023</b>
Master of Science in Computer Science	
<b>Maulana Azad National Institute of Technology</b> , Bhopal, India	<b>April 2019</b>
Bachelor of Technology in Electronics and Communications Engineering, <b>CGPA 8.18/10.0</b>	

## Technical Skills

Programming Languages	: Python, Java, C++, JavaScript, Perl, HTML, CSS
Operating Systems	: UNIX, Linux, Windows
Databases	: SQL, MongoDB
Frameworks & Tools	: Node.js, Express.js, Apache Airflow, Flask, GitHub, Jenkins
Big Data Technologies	: Teradata, IBM Data Stage
Courses	: Data Structures, Algorithms

## Academic Projects

### Web Application for Prediction of Dental Issues Aug 2020 – Aug 2020

- Designed a Web Application using Flask which enables user to upload tooth images.
- These images are well processed and classified using ML model in the background.
- Based on the above classification results, application displays possible diseases a user might be having or might develop in future.

Skills used: Machine Learning, Flask

### Instagram Automation July 2020 – Aug 2020

- Designed an Object-Oriented Code which lets you know the people whom you are following but are not following you back in the Instagram.
- Designed an Object-Oriented Code which increases the followers for your account.

Skills Used: Python-Selenium, Web Automation

### Dual-Port MIMO Rectangular DRA for 4G-LTE Sep 2018 – April 2019

- Built an L-shaped dual-band multiple-input multiple-output (MIMO) Rectangular Dielectric Resonator Antenna (RDRA) for Long Term Evolution (LTE) applications.
- This antenna can transmit and receive information independently using fundamental TE<sub>111</sub> and higher order TE<sub>121</sub> modes.

Skills used: Computer Simulation Software (CST)

### Voice Controlled Home Automation System Jan 2018 - April-2018

- Built model from scratch using Deep Learning Convolutional Neural Network (DL-CNN)
- Used Raspberry Pi 3 Model B to implement voice recognition system.
- The system can recognize the voice commands, convert them into the required data format, and send the data through the wireless transmitter

Skills used: Machine Learning, Python

## Work Experience

### Software Engineer, UnitedHealth Group, Hyderabad, India July 2019 - July 2021

- Developed Python scripts that automatically notify the team regarding delay and completion of batches.
- Developed a Python script that notifies the team regarding delay in receiving source files.
- Worked on job scheduling tools like TWS and Apache Airflow to develop and monitor automated jobs.
- Used ETL methodology for Designing jobs which includes extraction, transformation, and loading.
- Created Python Dags/tasks for jobs to schedule them using Airflow scheduler and TWS.

## Achievements

- Two Diamond Bravo achievements and one Ruby Bravo achievement: Recognized for the Performance in UHG.
- Jio Code Gladiators Semi-Finalist in both the years 2019 & 2020.
- Secured good World Ranks (<1000) in many coding competitions held in Hacker Earth online coding platform.