

# Madgula Mahathi

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## Objective

To work with intense passion and dedication to accomplish organizational as well as personal goals and further my career.

## Academic Details

Year	Education	Board/University	Score
2016 - Present	B.E in Computer Science and Engineering	JSS Science and Technology University (Formerly SJCE)	9.38/10
2016	12 <sup>th</sup>	Sri Chaitanya Junior Kalasala, Hyderabad (Telangana Board)	97.1 %
2014	10 <sup>th</sup>	Sri Chaitanya Techno School (Andhra Pradesh State Board)	9.8/10

## Experience

**Jan' 2020 – Present:** *Cisco Software Engineer – Bachelor's (Intern) – India Information Technology*  
*Bangalore, India*

Working on integration of 2 vital applications that were built on two entirely different tech stacks in channel partner space to achieve consistency and enhance efficiency.

Technologies involved: Java, Struts and Spring frameworks, JavaScript, jQuery, AngularJS.

Backend – Oracle DB, PL/SQL

## Projects

### 1. Model for Decipherment of Braille Documents and Speech Generation for the same

To build a translation system for deciphering English braille scripts (into English text documents) and generating Audio files for the same. Model is built using Convolution Neural Networks and SVM classifier.

### 2. Reconstructing Fingerprint Images

Read fingerprint images and reconstruct them using deep learning techniques. Used FVC2002 fingerprint dataset. Implementation of convolution autoencoders.

### 3. NBA Predictor

Predicting the Basketball game scores taking multiple real-time features into consideration. Implemented using knn machine learning algorithm.

### 4. A museum-artifact management system

Building a smart management system to handle and monitor day-to-day transactions of a museum and provide all desired features required for its functioning. Used web technologies and PHP.

## **Technical Skills**

- Programming Languages: C, C++, Python, PHP
- Web Development
- Operating Systems: Linux
- MySQL DBMS, Oracle DBMS, PL/SQL

## **Achievements**

- Secured 14th rank in South Indian Science Olympiad (SISO) in Class-7.
- Anantapur District 2nd topper in SLSTSE conducted by Unified Council in Class-8.
- Won track-back held by Linux Campus Club in a team of two.

## **Roles of Responsibility**

- I'm the Technical Coordinator of our CSE Department's Technical Club "**LCC-JSSSTU**". We conducted several Technical sessions and hands-on workshops (Python, Machine Learning, Django, Datastructures, Git etc.,)
- Technical Coordinator for "Hackelite'19", a National-Level hackathon conducted by LCC-JSSSTU in collaboration with JSS Science and Technology University.
- Handled LCC-JSSSTU website in my 3<sup>rd</sup> year and final year B.E.
- Conducted CodeCon(an online coding event) and Decrypto(online puzzle solving) events as a part of LCC-JSSSTU's tech fest- FOSSCAMP'19.
- I was elected as the Head-Girl (School-Pupil-Leader) of my school. I hosted many events at school and led the school-teams to success at several events.
- I volunteered as a teacher for **IEEE-Prayas** (an NGO). I taught Functional English at "Vijaya Educational Society, Mysore on Fridays.

## **Participations**

- Took part in Smart India Hackathon-2018 by AICTE-India.
- Attended a talk on Ethical Hacking & Info Security held at IISc-Pravega'18.
- Took part in Competitive Coding organized by Coding Ninjas'18.

## **Extra-Curricular Activities**

- District-Level Athlete, represented my school twice in 100mts race.
- Captained my school kho-kho team that reached State-level (Class-9).
- Trained in Carnatic Music, I won a handful of music competitions.
- Swimming, playing badminton, sketching being my favorite leisure time activities, I'm a voracious novel reader.