

# DEVI SANDEEP ENDLURI

(979) 739-3429 • [dsandeep97@tamu.edu](mailto:dsandeep97@tamu.edu) • [GitHub](#) • [Portfolio](#) • [in/dsandeep97](https://in/dsandeep97) • Bryan, Texas

## EDUCATION

**Texas A&M University**, College Station, Texas

**May 2021**

*Master of Computer Science*

GPA: 3.857 / 4.0

**Coursework:** Analysis of Algorithms, Software Engineering, Deep Learning, Natural Language Processing

**Indian Institute of Technology Kharagpur**, Kharagpur, West Bengal

**May 2014**

*Bachelor of Technology in Computer Science and Engineering*

GPA: 8.27 / 10

## EXPERIENCE

**Texas A&M University**, College Station, Texas

**Aug 2020 – Dec 2020**

*Graduate Teaching Assistant*

- Revamped outdated teaching material, held weekly lab hours for Programming Studio CSCE-315 course to help around 40 students with high quality coding standards in **Java** and in concepts related to web programming, Databases, Git

**Penn State University**, State College, Pennsylvania

**May 2020 – Aug 2020**

*Data Science Research Intern*

- Productized a fully automated end-to-end framework in **Python** using **Amazon Rekognition** to detect text in image with 90+ accuracy and **OpenCV** to extract information from charts in scientific research papers
- Achieved an accuracy of 84.08 in chart classification using VGG Neural Networks in **Keras**, 98% and 68% in parsing x-axis and y-axis ticks, 83% in detecting legends and 42% in extracting data values

**Texas A&M University**, College Station, Texas

**Jan 2020 – May 2020**

*Graduate Teaching Assistant*

- Collaborated with instructor and 5 other TAs to design teaching material for Programming Studio CSCE-315 course labs
- Instructed labs, graded assignments, projects and mentored around 50 students on high-quality code writing in Java and web programming with **HTML**, **CSS**, **JavaScript**, and taught concepts related to Git, SQL databases, API integration

**Qualcomm India Private Limited**, Hyderabad, Telangana

**July 2014 – July 2019**

*Software Engineer*

- Facilitated software design in **C** and **C++**, development of innovative algorithms, debug, and maintenance of proprietary software CnE (Connectivity Engine) for intelligent switchover between 3G/4G and Wi-Fi without any user intervention
- Accomplished various IMS critical value-add features (G2L Tuneaway, Dual VoLTE) for Qualcomm chipsets
- Spearheaded weekly team meetings with 10+ internal and external cross-functional development teams to develop features end-to-end. Collaborated with customers, ecosystem providers and support, during all stages of product life cycle
- Awarded 5+ Qualstars, Orion Insta award in appreciation of outstanding contributions to Android Connectivity domain

## PROJECTS

**Animations in Cell Biology Learning Content** (Skills: **HTML**, **CSS**, **JavaScript**)

**Oct 2020 – Dec 2020**

- Developed 5+ interactive games, animations to improve biology learning experience of middle school students. [YouTube](#)

**Real-time COVID-19 Twitter Data Analytics** (Skills: **Python**, **Java**, **Flume**, **Kafka**, **Spark**, **Flask**)

**April 2020**

- Created a production-ready end-to-end system for real-time data analytics on COVID-19 by pipelining Twitter Stream with Flume, Kafka using Spark Streaming. Deployed system on AWS with dashboards designed and displayed using Python Flask

**Deep Learning Image Colorization based on U-Net** (Skills: **Python**, **Keras**)

**Oct 2019 – Dec 2019**

- Developed neural network regression and classification approaches using an architecture inspired by U-Net in Keras to convert grayscale images to colorized RGB images with an accuracy of 70%

**Abstractive Text Summarization using pre-trained encoders** (Skills: **Python**, **PyTorch**)

**Oct 2019 – Dec 2019**

- Enriched existing text summarization model with pre-trained BERTSUM encoder model and decoder architecture written in PyTorch by introducing recurrence in model to improve copying of source text, yielded a ROGUE score of 19.03
- **[TAMU Datathon 2020]** Built a product search engine for various categories by crawling through walmart.com. [YouTube](#)

## TECHNICAL SKILLS

**Languages:** Python, C, C++, Java, MATLAB, MySQL, R, HTML, Perl, Ajax, PHP, JavaScript

**Frameworks:** OpenCV, Spark, Kafka, Git, AWS

**Platform (OS):** Android, Windows Phone, Linux, Microsoft Windows

**Certificates:** CS50 Puzzle Day 2020 (organized by Harvard University and Facebook)