

# SOWMYA CHERIPALLY

B.Tech Third Year, Computer Science Engineering

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## INTERNSHIP

Product Intern

Adobe

May 2022 – July 2022

India (WFH)

**Project Description:**

- Automation of updating Hunspell spell checker dictionaries for Adobe SaaS apps using Hunspell utilities - **unmunch** and **munch**.

**Languages, Tools & Frameworks used:**

- Shell scripting - Bash, Natural Language Processing (NLP), Hunspell, Regex patterns, VBA Scripts

## ACHIEVEMENTS

Finalist at Smart India Hackathon

Ministry Of Education, AICTE

April 2022 – Aug 2022

India

- Selected for Smart India Hackathon Grand Finale for a recycling app that detects aluminium cans collection in smart bins.

Women Techmaker Engineering Fellow

Talentsprint, Google

Mar 2020 – Apr 2022

Hyderabad, Telangana, India

- Among the top 124 candidates selected from all over India for the WTEF Program by Talentsprint, supported by Google.
- Receives Rs. 2 lakh scholarship funded by Google.
- A 2 year training program consisting of bootcamps and on-line sessions to enhance problem-solving and computational thinking skills.

## PROJECTS

Image Realm

- A Deep Learning Photo Editing project: **image colourisation** (b/w to colour image), **image resolution**, **pencil sketch** and **cartoonifying pictures** (photo to cartoon image).
- Languages, Tools & Frameworks used:** Python, OpenCV, CNN (Convolutional Neural Networks), GAN (Generative Adversarial Networks), Google Colab, Gitlab.

Connect 4 AI

- A Human Vs AI connect 4 multiplayer game with multiple difficulty levels - Easy, Medium, Hard.
- Languages, Tools & Frameworks used:** Python, pyGame, Numpy, ML algorithms - Minimax algorithm, alpha beta pruning

3D Cube Run Game App

- Developed an **Android 3D Arcade Game** on Unity while using 3D modeling software, Blender to create the game assets.
- Languages, Tools & Frameworks used:** C#, Unity 3D, Blender, Photoshop

## EDUCATION

Bachelor of Technology

BVRIT Hyderabad College of Engineering for Women

August 2019 – Present

Higher Secondary

FIITJEE Junior College, Hyderabad

May 2017 – Mar 2019

Secondary

Bharatiya Vidya Bhavan's A.R.R School, Hyderabad

May 2014 – Mar 2017

## TECHNICAL SKILLS

**Languages**

- Python, C++, C, Java, Javascript, Ruby, Perl

**Web Technology**

- HTML, CSS, Bootstrap 5, Javascript, PHP

**Mobile App Development**

- Front end:** Flutter, Dart, Java
- Database:** Firebase, SQLite

**Other Technologies**

- Shell Scripting
- Machine Learning, Data Analytics, Natural Language Processing (NLP)
- Game Development, UX/UI Designing, 3D Modelling

## MENTORSHIP

Flipkart #GWC (GirlsWannaCode) Mentorship

Flipkart

Mar 2021 – June 2021

A member of a prestigious cohort of selected students who get trained in industry-relevant technology skill-sets through a curriculum along with exclusive mentorship from experts at Flipkart.

## SPOKEN LANGUAGES

English  
Hindi  
Telugu

