

Sanya Singh

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EDUCATION

University of Southern California, USA: Master's in Computer Science (MCS) [Lenore-Jordan-Martin Scholarship recipient]

Major: Computer Science

May 2021 (expected)

Guru Gobind Singh Indraprastha University, India: Bachelor's in technology (B. Tech)

Major: Computer Science and Engineering

June 2019

TECHNICAL SKILLS

Programming Languages: C, Python, Java, JavaScript, HTML, CSS, SQL, jQuery, Oracle

Libraries, Tools & Frameworks: NodeJS, Paper.js, Howler.js, NumPy, Pandas, Bootstrap, Firebase, Gitlab, Postman, MongoDB

WORK EXPERIENCE / INTERNSHIPS

Gilroy Technology, Gilroy, CA, US

(July 2020 – present)

Software Engineering Intern

- Coding and Developing microservices in NodeJS, Express & MongoDB
- Support device development and integration with Cloud
- Working with UI team on integrating with Backend API's, and also, with internal applications over REST API's

USC Center for Systems and Software Engineering

(June 2020 – August 2020)

Software Engineer Intern – Java Developer

- Worked on the updating of the software – Unified Code Count that has been in the production for over 10 years.
- Optimized UCC-J GUI – added additional functionality through toolbar/iconbar
- Extensive code research to fix reporting issues

Indian Railways Catering and Tourism Corporation (IRCTC), Delhi, India

(July 2018 – August 2018)

IT Intern

- Managed to work on AI-based cameras, deployed via TensorFlow.
- Executed comprehensive test plans for software – RED QUANTA (source code was written in Java)

EI Systems & Technex IIT BHU Varanasi, India

(May 2018 – June 2018)

Data Analytics Intern

- Worked on Classification algorithms for the company's dataset
- Analyzed efficiency/accuracy score (95.23% through Neural networks – multi layer perceptron classifier)

Basics Eduventures, Madhya Pradesh, India

(January 2018 – March 2018)

Web Developer Intern

- Developed and deployed company's websites using different tools and languages
- Maintained a loading speed of 2.2s and decreased it by 16%.

PROJECTS

- **Helix Chatbot** [<https://github.com/dear-s/Helix-Chatbot> | <https://github.com/dear-s/Expo-Snack-X-Helix-Chatbot>]
 - Designed and developed an intelligent chatbot that records a patient's headache and medication taken for it.
 - Designed a decision tree that contains the questions and answers posed by the chatbot and that works with the phone
 - Chatbot phone number (via Twilio): +1 2133206669 (Send "hey" for registration process and to start chatbot questions)
 - Developed a mobile app using Expo that embodies the chatbot in the form of both audio and text.
 - **Technologies:** Flask, Python, MySQL, HTML, CSS, React Native, matplotlib, Twilio services, Expo, Dialogflow API
- **Foot-Fall** [<https://github.com/dear-s/Foot-Fall>]
 - Retail analysis project – People counting technology, includes all relevant data about how customers move, where is maximum footfall? (The data was collected by real-time sensors)
 - Collaborated and developed an effective tool for determining how to optimize store layout for better sales, results in 80% of profit.
 - **Technologies:** R-Script, Shiny Dashboard, HTML, CSS, Bootstrap
- **Some website projects** [<https://github.com/dear-s/RGB-Color-Guessing-Game>]
 - Color Guessing Game: A simple RGB color guessing game with two modes - Easy and Hard
 - Patatap-Clone: Practice project developed by using Paper.js and Howler.js libraries. [<https://github.com/dear-s/Patatap-Clone>]
 - To-do-List Website: A personal To-do List project with basic functionality [<https://github.com/dear-s/ToDo-List>]
 - **Technologies:** HTML, CSS, Bootstrap, JavaScript, jQuery, Paper.js, Howler.js
- **Interstellar: The Next Move** [<https://github.com/dear-s/INTERSTELLAR>]
 - It predicts the future price of cryptocurrency called Lumen (XLM) or Stellar. The dashboard consists of graphs depicting growth or downfall of Lumens. Accuracy – above 90%. Applied LSTM - Long Short-Term Memory networks – a special kind of RNN (recurrent neural networks), capable of learning long-term dependencies.
 - **Technologies:** Python, Flask, HTML, CSS