Sanya Singh

+1 213-332-7446 | 720 W 27th St, #343, Los Angeles, CA 90007
sanyasin@usc.edu, sanyasingh638@gmail.com | https://dear-s.github.io/ | www.linkedin.com/in/sanyasin | https://github.com/dear-s

EDUCATION

University of Southern California, USA: Master's in Computer Science (MSCS) [Lenore-Jordan-Martin Scholarship recipient]
Major: Computer Science **May 2021 (expected)**
Coursework: Database Systems, Analysis of Algorithm, Artificial Intelligence, Augmented, Virtual and Mixed Reality

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, Express

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): +1 213 320 6669 (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**