

# Sanya Singh

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Computer Science Master's Student with experience in Software Development, Web Development, and Data Analysis. Passionate about solving problems through programming and designing efficient solutions. Seeking new opportunities as a software engineer! Currently getting myself familiar with new emerging technologies like AR, VR, Blockchain, Extended Reality, and fusion of Technology & Art.

## EDUCATION

### University of Southern California, USA: Master's in Computer Science (MS CS)

Major: Computer Science [Lenore-Jordan-Martin Scholarship recipient]

May 2021 (expected)

Coursework: Database Systems, Analysis of Algorithm, Artificial Intelligence, Augmented, Virtual and Mixed Reality, Data Visualization

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

Major: Computer Science and Engineering

June 2019

## WORK EXPERIENCE / INTERNSHIPS

### Gilroy Technology, Gilroy, CA, US

(July 2020 – present)

#### Software Engineering Intern

- Coding and Developing microservices in NodeJS, Express & MongoDB for the healthcare service.
- Supporting 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

(May 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), 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)
- Worked in AWS along with VCR and DVR technology and executed live streaming via Wowza Streaming Engine – runs on Amazon EC2

### EI Systems & Technex IIT BHU, India

May 2018 – June 2018)

#### Data Analytics Intern

- Worked on Classification algorithms for the company's dataset and analyzed accuracy score of 95.23% through Neural networks

### Basics Eduventures, India

(January 2018 – March 2018)

#### Web Developer Intern

- Developed and deployed company's websites using different tools and languages.
- Performed regular maintenance troubleshooting system restores, and system backups when necessary and leaded quality assurance tests to look for errors, developing and accomplished effective solutions to issues.
- 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 with an Expo app.
  - Chatbot phone number (via Twilio services): 213 320 6669 (Send "hey" for registration process and to start the chatbot)
  - **Technologies:** Flask, Python, MySQL, HTML, CSS, React Native, matplotlib, Twilio services, Expo, Dialogflow API
- **Foot-Fall** [<https://github.com/dear-s/Foot-Fall>]
  - 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.
  - Designed a dashboard that consists of graphs depicting growth or downfall of Lumens. Accuracy – above 90%. Applied LSTM
  - **Technologies:** Python, Flask, HTML, CSS

## TECHNICAL SKILLS

- **Programming Languages:** C/C++, Python, Java, JavaScript, HTML, CSS, SQL, jQuery, Oracle
- **Libraries, Tools & Frameworks:** NodeJS, Paper.js, Howler.js, NumPy, Pandas, Bootstrap, Firebase, Postman, MongoDB, Express, Git, Tableau, RapidMiner, Knime