



# SHAMBHAVI SINGH

Lucknow, Uttar Pradesh, India

✉ [shambhavis20@gmail.com](mailto:shambhavis20@gmail.com)  [shambhavi20](#)  [Shambhavi-Singh](#)

## Education

### Vellore Institute of Technology

B-Tech in Computer Science and Engineering, CGPA:9.37

Jul. 2019 – May 2023

Vellore, Tamil Nadu

### Delhi Public School, Kalyanpur

Physics, Chemistry, Maths, 12th, 90%

Apr. 2017 – May 2018

Kanpur, Uttar Pradesh

## Experience

### Software Development Engineer Intern

JP Morgan & Chase

June 2022 – July 2022

Hyderabad, IN

- Restructured an integral user application to **React** framework
- Updated legacy code to make it more efficient and manageable by **35%** reduction of lines of code

### Web Developer Intern

Conteka Inc.

May 2021 – Dec 2021

Remote, IN

- Focused on front-end development with back-end system integration using React in Redux framework
- Introduced **client-side caching** for reducing the query time from **15-30 seconds to 3-5 seconds**
- Undertook **unit-testing** of react components using jest and react-testing-library and increased testing coverage of application from **16% to 34%**

### Front-End Developer Intern

Winadvisors

Nov 2020 – Dec 2020

Remote, IN

- Implemented frontend web development using **ReactJs (NextJs)** framework
- Developed a working **website from scratch** for the accountancy firm
- Deployed the website using Vercel platform

## Projects

### Shutterbug | React, Computer Vision, Node.js, Posenet

[\[Repository Link\]](#)

- An **AI trained** web application built in React with Node.js that helps mimic poses to the uploaded reference image
- It can be used for **Yoga, dancing or modelling** purposes
- The application gives audio instructions through comparing body lines and angles with reference pose

### Onion | Go, React Native, PostgreSQL

[\[Repository Link\]](#)

- A mobile application constructed using **React Native and Go** that targets to reduce food wastage and save money by reselling excess groceries
- The application matches the nearby senders to buyers in need of the excess groceries and enable them to chat with each other

### ReuniteBot | Python, Twitter API, Machine Learning, NLP

[\[Repository Link\]](#)

- A **twitter bot** that uses Tweepy library in python to tag important authorities in nearby locations whenever a tweet is made regarding a lost or missing child.
- **Machine Learning and Natural Language Processing** is used to distinguish tweets into categories related to children gone missing or found lost.

## Technical Skills

**Languages:** C/C++, JavaScript, Python, Java, Go, HTML/CSS, SQL

**Skills:** Web Development, Machine Learning, Competitive Programming

**Technologies/Frameworks:** React, Node.js, Flask, Gatsby.js, Next.js

**Developer Tools:** Git, Docker, AWS, Microsoft Azure, Firebase

## Achievements

- Second runner up in **Mozohack Hackathon** by SRM (More than 500 participants) where we built a pose detection and matching application used for photography and modelling
- Qualified for Top 10 finalist teams in **Vihaan Hackathon** by IEEE DTU (More than 800 participants) where we made a computer vision project that can detect diseases in plant by its leaf images and can recommend best crop to farmers based on soil and climate conditions
- Won Best Freshers Team in **Hackbattle Hackathon** by IEEE Computer Society VIT (More than 300 participants) where we made a Twitter Bot that alerts nearby police and organizations using tweets regarding missing children