# KUMUDINI GHOLAP

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## EDUCATION

**Btech Computer Science and Engineering**
Sardar Vallabhbhai National Institute Of Technology , Surat 2022 - 2026

**B.Sc Online degree in Programming and Data Science**
Indian Institute of Technology, Madras 2023 - Present

## SKILLS

**Technical skills:** Python, C++, JAVA, C, SQL

**Web Development Skills:** HTML, CSS, JavaScript

**Key Courses Taken :** Object Oriented Programming, Data Structues, Design and Analysis of Algorithms, Operating System, Computer Networks, Database Management System, Artifical Intelligence, Web Development

## EXPERIENCE

**Junior Developer** OCT 2023 - Present
Company Name *Google Developer Student Clubs, SVNIT Surat*

- Strengthened in Python and C++ through competitive coding, achieving top-tier rankings in over 15 national hackathons, and significantly strengthening proficiency in complex algorithmic challenges.
- Collaborated with a global team during Google Winter of Code 2023 to develop and launch a responsive websites, enhancing user experience and increasing engagement metrics by 40
- Cultivated collaboration, teamwork, and communication proficiencies through leading and collaborating in group projects involving 4 team members on average.

## PROJECTS

### Mudberry Studio Website

- Introduced a sophisticated, responsive website for Mudberry Studio, effectively showcasing its portfolio and services, as part of the Google Winter of Code 2024 initiative. (Website Link)
- This project accounted for 80% of my HTML, CSS, and JavaScript proficiency, contributing significantly to my skills in crafting visually stunning and responsive websites.
- Proficient in HTML, CSS, and JavaScript, utilizing these languages to develop over 1 visually captivating and user-friendly websites.

### Emotional Face Detection

- Spearheaded the development of an advanced AI system capable of accurately detecting human emotions from facial expressions in real-time, achieving an accuracy rate of 90% in emotion recognition across a diverse dataset of 1000 images. (Github Link)
- Employed convolutional layers for feature extraction, enhancing model accuracy by 15% compared to baseline models.
- Utilized pooling layers for downsampling and reducing spatial dimensions, optimizing computational efficiency resulting in a 25% improvement in inference speed compared to previous implementations.
- Created an advanced emotion detection AI using Python, OpenCV, TensorFlow, and Jupyter Notebook; attained a 90% accuracy rate, surpassing previous benchmarks by 15% and enhancing user interaction feedback systems

**Chatbot**

- Designed and composed a computer network application, allowing users to connect using specified IP addresses and ports. (Github Link)
- Utilized 96% Python for core functionalities and 4% Shell scripts for automated deployment and maintenance.
- **Skills Used :** Python, Shell Script in linux operating system

## CERTIFICATES

- HackerRank SQL Intermediade certificate
- HackerRank Python certificate
- ACM Summer Challenge 2023
- Content Writing Selection Certificate