Krutika Bhatt

K.J. Somaiya College of Engineering
T.Y -Btech
Computer Engineering

Current cgpa:9.34

Address : Aum Residency, Godrej Park,Khadakpada, Kalyan(w),Maharashtra

Email Address : krutika.bhatt@somaiya.edu

Linkedin id: https://www.linkedin.com/in/krutika-bhatt-a790a5192/

Github : KrutikaBhatt (KrutikaBhatt) (github.com)

Phone Number : 9082294846 / 9323229192

About Me :

Detail-Oriented Computer Engineer student with good experience in open-source, web development, and robotics. I love building innovative projects which improve and aid current social problems. Seeking to leverage the first-hand experience on large, commercial, and Innovative technologies and software.

Key Skills :

- AWS, Nodejs and Express, MySQL
- Experience with Redis and Swagger
- Flask and Django
- HTML,CSS, Javascript and React JS
- Open source Technologies - Git and Github
- Database Management
- Machine Learning
- Natural Language Processing(NLP),NLU and NLG
- Embedded Systems, Robotics, and OpenCV
- Internet of Things(IOT)
- Languages : C/C++,Java and Python

EXPERIENCE

Frappe Framework (Github Externship)— *Software Engineering*

January 2022- Current

1. Working on drag and drop framework to integrate with form builder.
2. Working on the File Management System to allow users to create a logical hierarchy of files as well as Trash functionality,so if the file is deleted,it can be restored

Oyesters Training — *Backend Developer*

July 2021- September 2021

1. Created and improved the backend of the Learning Management System and coded for the production using NodeJS, SQL, and Redis
2. Integrated Bunny CDNs, Swagger, Mathpix OCR, Docusign and AWS for files and assignment submission
3. Built algorithms to manage the version-controlled documents and files to provide the latest version
4. Used Sequelize ORM to manage the database and authentications

Way for Life NGO — *Web Developer*

June 2021 - September 2021

1. Created the backend for HR Portal to efficiently function the incoming internship requests using Nodejs,Express and sequelize ORM
2. Automation to send verification mail and other functions like sending offer letter, LOR and change in joining date
3. Created User-friendly and Responsive GUI designs using Figma

Brain Controlled Wheelchair— Robotics and IOT

Octoder 2020 - Currently working

1. Researched and worked on the brain waves and frequencies to send commands to maneuver the wheelchair
2. Worked on Object Detection and Avoidance using OpenCV and Tensorflow
3. Integrated Hardware components and Raspberry PI for making the wheelchair fully functional

Image-Processing OpenCV(OCR) — *KJSCE Roboccon*

June 2020 - July 2020

1. A user-friendly GUI for document scanning and Image filtering
2. Concepts like Template Matching, Warping an item, noise reduction ,Edge detection, etc implemented and tested

View the projects :

https://github.com/KrutikaBhatt/Image-Processing-OpenCV

Riidl — *Marketing Executive-Darwin2019*

October 2019- December 2019

1. Wrote proposals for sponsorship
2. Assigned teams for walk-ins and presentation meets
3. Brought various companies for sponsorship like Oclare ,Munching snacks,etc

Position of Responsibility:

Technical Head at Computer Science of India (CSI) KJSCE-

1. The responsibility includes making websites for different events and designing of databases
2. Conduct various workshops,meetups,hackathons and events
3. Participate in worldwide hackathons with the technical team

Member of Google Developers' Student group -

1. Actively Participate in upcoming events and seminars conducted by google
2. Assist the team to make the hackathons and webinar successful
3. Motivate and Encourage people to be the part of group

PROJECTS:

Machine Learning Projects -*here*

1. **Language Detector using NLP**
2. **Contact Tracing for Covid19**
3. **Classification of Emails into Spam or ham using NLP**

AutoComplete using N-Grams and NLP -

4. The Model uses N Grams and NLP concepts to get the probability of the next word on the tokens of statement received
5. The model is made better using K Smoothning to avoid probability of denominator becoming 0
6. The project is further build into simple web application

View the Project here.

A web Application on Django Framework - *CodeAssist*

1. User can login in his account or sign in to create new account
2. He/She can add new topics to any discussing and edit the same
3. Other Users can reply to the topic
4. Codes are written using python,html and css.
5. Sqlite is used for database management

View the Github codes here

BingeBox - OTT Content platform

View the project : https://binge-box-bb.herokuapp.com

1. A complete web application built using React,NodeJS,Express and Firebase
2. The Backend was built using NodeJS ,Express and Firebase
3. The Frontend was designed using React and Styled Components
4. Payment Gateway is added when new users signUp
5. Google Mail API and NodeMailer is used for sending notification mails
6. Postman and Jest was used for testing

Education :

K.J Somaiya College of Engineering *-Currently studying*

Computer Engineering -T.Y Btech

Holy Cross Convent Jr. College,Kalyan

Completed Jr College
2017-2019

Rita Memorial School,Kalyan

Completed Primary Education

Awards and Accomplishment :

1. NASA Space App Challenge

View Certificate : Nasa_certificate.pdf

1. Provided a solution for Marine debris quantification, observation and detection
2. Used NASA PODAAC data to create a multi layer perceptron model and rando forest regressor
3. Created a User-friendly Mobile Application to use crowdsourcing for making the project realtime

Codebase : NASA Poseidon

2. Google Cloud Training using quicklabs *-Currently studying*

View Badges : Krutika Bhatt | Qwiklabs

3. Hashcode 2021

Global rank : 5175
Certificate : Certificate - Hash Code.pdf - Google Drive
Code : KrutikaBhatt/HashCode2021 (github.com)

4. DSC-Solution Challenge Hackathon

January 2021 - April 2021

1. Builded a System using Next.js and react JS to analyse and get the nearest books around your locality with the nearest meet point. The project aims at creating a community of helpers and learners.
2. Used Google maps ,google Drive API and nodemailer for Sorting books data based on the distance,saving photos and account and sending mails respectively.
3. I worked on most of the Recommendation system and the Backend development using Firebase,Node JS and Express.

Certificate : [Krutika Bhatt Solution Challenge Participant Certificate.pdf - Google Drive]

Code : [bamblebam/dsc-project-books-redistribution (github.com)]