KUSHAL SHAH

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EDUCATION

Sardar Patel Institute of Technology (S.P.I.T.), Mumbai　　　　　　**2019 - Present**
B.Tech Information Technology (I.T.) GPA: 9.22
Minors in Management (S.P. Jain Institute of Management and Research) 2020 - Present
PACE Junior Science College, Mumbai (H.S.C.-82.4%, MHT-CET-99.11 %ile)　　**2017 - 2019**

WORK EXPERIENCE

Pride Educare Pvt. Ltd. (Software Engineering Program Tutor)　　　　**July, 2022 - Present**
● Working on curating and developing software engineering course content and its modules ensuring that every enrolled student develops the required software engineering skills in the IT industry.
● Teaching software programming languages such as C, C++, Java, Python, HTML, JavaScript and many more for 20+ hrs in a week to an average batch size of 15 students.

Wohlig Transformations Pvt. Ltd. (Software Development Intern)　　**Jan, 2022 - June, 2022**
● Worked on client and research based projects in collaborative environment within organization.
● Used MongoDB, NodeJS, ExpressJS Frameworks for developing APIs, optimizing database MongoDB queries, aggregates. Worked with Vue.js framework for developing Front-End UI.
● Learned right standards of development, writing efficient and optimized code while working in team.

TECHNICAL SKILLS

Programming Languages:	C, Core JAVA, Python, JavaScript, Solidity
Sever-Side Development and Frameworks:	Django, Flask, Node JS, Express JS, Vue JS
Database and Version Control:	MySQL, MongoDB, Git and Github
App and Web UI Development:	Android Studio, HTML5, CSS, Wordpress
Interpersonal Skills:	Time Management,Public Speaking,Analytical Mindset

PROJECTS

KYC Verified CrowdFunding Solution (Solidity, Flask, VueJS, 5ireChain)　**Feb, 2023 - Present**
Devpost - https://devpost.com/software/kyc-verified-crowdfunding-solution-secure-patrons
● Developed a sustainable hybrid model of decentralized crowdfunding application backed with centralised KYC system solving the problem of user trusts and abiding by government compliances and regulations, which was missing in traditional web3 blockchain application.
● Developed solidity smart contracts of an end to end crowdfunding application using ERC-20 token standards along with deploying the contracts on 5ireChain Testnet
● Worked on a KYC verification system that detects and extracts face from a government approved ID card using HaarCascades and verfies the user with the extracted face image through a live video using OpenCV, PyAutoGUI and face matching ML algorithm - DeepFace.

Time Frame Analysis for Sentiment Prediction of Stock Based on Financial News using NLP (Python, Flask, ReactJS, Machine Learning)　　**August, 2022 - December, 2022**
Frontend - https://github.com/shahkushal38/stock-sentiment-frontend.git
Backend - https://github.com/shahkushal38/stock-sentiment-backend.git
● Developed a RNN based Bi-directional LSTM machine learning - natural language processing model with BERT text data processing technology achieving an accuracy of 87%.
● Worked with Indian Financial News Dataset having 2 lakhs plus news from year 2017 - 2021.
● Developed real-time application with a CICD pipeline that can timely fetch news from 3rd party APIs to determine news based sentiment of a specific stock for different time frames through the ML model.

gRPC-Node Framework (JavaScript, NodeJS, Express, MongoDB)　　**Jan, 2022 - Feb, 2022**
https://github.com/shahkushal38/gRPC-Node-Framework
● Developed a Framework for replacing RESTful webservices with gRPC service protocols using buffers.
● gRPC based RPC services helps in achieving scalability, overcome latency, efficient load balancing in projects while drastically reducing the request-response time of an API by almost 7-10 times.

EXTRA-CURRICULUM ACTIVITIES AND ACHIEVEMENTS

● Open Source Contributor and Community member at Layer5, a CNCF organisation.
● Awarded for being in Top 5 Projects built using 5ire at HackThisFall 3.0, 2023 (MLH official Hack)
● Rank 27 in MSCI Developer Challenge, India held in June, 2022.
● 2nd prize at National level Hackathon, JITHack-2021 by Jyothi Institute of Technology.
● Semi-finalists at HackinUTU-2020 by Uka Tarsadiya University, Gujarat, India.
● Technical Head at S.P.I.T. Hackathon and Computer Society Of India-S.P.I.T. Chapter, 2021-2022
● Hobbies - Exercising, playing Football, Solving programming questions, Open Source Coding