MIHIR SHAH

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EDUCATION

K J Somaiya College of Engineering, Mumbai, India **August 2016 – October 2020**
Bachelor of Technology (B. Tech.) in Computer Engineering **CGPA:** 7.58/10

<u>Relevant Coursework</u>: Data Structures, Analysis of Algorithms, Human-Machine Interaction, Artificial Intelligence, Machine Learning, Discrete Structure and Graph Theory, Digital Signal and Image Processing, Applied Mathematics

S.B.E.S. College of Science, Aurangabad, India **February 2016**
Higher Secondary Certificate, MSBSHSE Board **Percentage:** 84.92%

Ravindranath Tagore High School, Aurangabad, India **March 2014**
Secondary School Certificate, MSBSHSE Board **Percentage:** 94%

PROFESSIONAL EXPERIENCE

Wolters Kluwer, Pune, India **October 2020 – Present**
Associate Enterprise Software Engineer
- Working on two development projects
  - Timesheet Entry application
  - Product Information application
- Developed the applications using Angular 11 and Java Spring Boot
- Implemented features for accessibility and security to make the application WCAG 2.0 and OWASP compliant
- Optimized the performance and improved by an average of 63% compared to legacy application
- Awarded a prize for contribution to the application development

Northstar Innovations, Mumbai, India **July 2020 – September 2020**
Frontend Developer
- Converted high-level design to user screens in React Js for Student Relationship Management system
- Integrated Websockets for chat and Laravel backend APIs with UI modules

KJSCE IT Dept., Mumbai, India **January 2019 – April 2020**
Blockchain Developer Intern
- Implemented and deployed a family tree on blockchain to solve succession certificate issues at court
- Wrote <u>ClaimChain</u> smart contract in Solidity and developed user screens using Node Js

RESEARCH PAPERS

1. Mihir Gandhi**,** Priyam Shah, Devansh Solanki, **Mihir Shah**. "Decentralized Freelancing System - Trust and Transparency." International Research Journal of Engineering and Technology, Volume 6, Issue 9 September 2019
2. **Mihir Shah**, Priyam Shah, Amit Bhujbal. "Automated Assessment for Subjective and Soft Skill Questions" – in progress

ACADEMIC PROJECTS

<u>Automation in Interview Process</u> (Link)
- A final year research project that aims at reducing the time consumed in the interview processes through automation by evaluating video interviews
- Wrote an algorithm in Python for the assessment of soft skill and subject skill questions using IBM's Big Five personality traits "OCEAN" and cosine similarity
- Developed a **Django** based web application for three personas recruiter, candidate, and admin
- The application reduces the average time of the interview process with evaluation by **66.67%**

<u>Student Relationship Management</u>
- Developed the frontend of the web platform using **React Js** for multi-personas (student, teacher, principal, and parent)
- Integrated frontend modules with **Laravel** backend APIs
- The application is being used by two schools having 1.5k+ students, 2k+ parents, and 200+ teachers
- Developed, Tested, and Deployed 8+ core modules

Authify
- Web application for an administrator to view the records submitted by users for the online KYC
- Frontend is designed on **Adobe XD** and developed in **Flask.** The application is hosted on pythonanywhere.com
- The **Firebase** database is used for storing user information

Meeting Minutes Application (Link)
- Developed a web application that converts speech to text to create a transcript of the audio and take down the minutes of a meeting using **NLP**
- The application was developed in **Django** and used IBM Watson Speech to Text API for accurate transcription
- Implemented a bag-of-words model for keyword extraction, transcript generation, and text summarization
- The response time was between **4-6 seconds** for a 5-minute long meeting recording

Hirechain – Decentralized Freelancing System (Link)
- A research project to create a decentralized platform for posting and accepting freelance jobs using Blockchain technology
- Implemented smart contracts in **Solidity** and used **Ropsten** Testnet
- The frontend is developed using **HTML**, **CSS**, **JavaScript** and deployed on the **Ethereum Blockchain**
- Employed **IPFS** for distributed storage of user files such as resumes and consignment details

TECHNICAL SKILLS

- Languages: Python, Java, C, C++, SQL, Solidity
- Web Technologies: HTML, CSS, Bootstrap, JavaScript, PHP, Angular 11, Node JS, React JS, Django, Flask, Spring Boot
- Databases: MySQL, Firebase, MongoDB, SQL Server
- CI/CD Tools: Git, SVN, Jenkins
- Tools: Android Studio, MATLAB, Adobe XD, JIRA - agile
- OS: Windows, Linux, macOS

CERTIFICATIONS

- JP Morgan Chase & Co. – "Software Engineering Virtual Experience Tasks"
- Pluralsight Course – "Angular: The Big Picture by Deborah Kurata"
- Coursera – "Introduction to User Experience Design by Georgia Institute of Technology"
- Pluralsight Course – "Java Fundamentals: Generics by Richard Warburton"
- Udemy Course – "Data Structures and Algorithms in Python"

ACHIEVEMENTS

- Won interdepartmental cricket tournament at KJSCE shield competition in 2020
- Ranked among the top 5 Blockchain development teams participated in the Dotslash hackathon
- Awarded the INSPIRE scholarship for top 1% performance in class XII
- Awarded certificate and prize for the urban area meritorious performance in Maharashtra Talent Search Examination (MTSE)
- Awarded with Gold Medal for securing 1st rank in school in International Mathematics Olympiad (IMO)

LEADERSHIP AND EXTRACURRICULAR ACTIVITIES

- Conducted Blockchain Technology workshop for Comp and IT dept. students on 27 March 2019
- Web Administrator at ISTE Council from Aug 2018 to July 2019
- Member of organizing committee for the national level paper presentation and project competition "Prakalpa" in March 2019
- Volunteered in Versova Beach Cleanup Drive organized by KJSCE "Parvaah" in Jan 2018
- Member of Computer Society of India (CSI) KJSCE chapter, from September 2016 to May 2017