MEHUL BHANUSHALI

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EDUCATION

Master of Engineering in Computer Science August 2021 - May 2023
Virginia Polytechnic Institute and State University (Virginia Tech) Blacksburg, VA

Bachelor of Technology in Information technology August 2015 – May 2019
K.J. Somaiya College of Engineering Mumbai, India

SKILLS

Languages	Python, Java, HTML5, TypeScript
Database	(SQL) MySQL, (NoSQL) Cassandra, ELK Stack
Tools and Framework	REST Api, Git, SVN, Figma, Agile, JIRA, SpringBoot, Talend ETL, AWS-ECS, Datadog, LINUX, JSON
Other Skills	Data Structures and Algorithms, Object Oriented Design, Data Analytics

EXPERIENCE

Cvent June 2022 – August 2022
Software Engineer Intern *Blacksburg, VA*

- Updated Java microservices in Maven with latest SDK update to patch security vulnerability
- Analyzed stats from Datadog, AWS-ECS tool to right size the application heap memory and save cost.
- Created AppSwitcher UI component with TypeScript for React application. fetch data using GraphQL.

Equifax July 2019 - July 2021
Software Engineer *Mumbai, India*

- Developed and maintained Java micro-service architecture for multiple modules using java spring boot, Rest service.
- Designed Build Data Ingestion Pipeline using ETL Talend Tool.
- Developed Automation Utility in Java for Bulk Request Processing.

Projects

- Commercial Bureau: Created the commercial credit information report with java springboot contains a commercial score, this score aids in giving a 360- degree credit assessment by merging borrowings from both individuals and businesses.
- Commercial ETL: Developed ETL process jobs in Talend Open Studio for Commercial Bureau Data Ingestion in Cassandra, Elastic Search and Oracle.

Achievements

- Equifax Hackathon Home Edition 2020 People's Choice Award – Global Level Equifax Hackathon.
- One Equifax Award Q2 '21 for Commercial Project.

RESEARCH & PROJECTS

Toxic Comment Classification (ML Project) 2022

- Classifying a given piece of text into one of the respective toxicity categories using machine learning. Used python, scikit-learn, pandas.

FaSHION: Farmers Smart Help and Instrument of Naaptol (Undergrad Capstone Project) 2019

- Created a (Kiosk) portable and inexpensive system that automates the process of buying and selling of crops between government and farmers using IOT and Identification card.
- FaSHION suggests farmer to choose the crops that will give best yield using Random Forest Regression based on rainfall and crop production data of past 20 years.

Carbon Sponge: A dual utility solution to Oil Spills. (Research Project) 2018

- Created a prototype that can separate oil from water using carbon nanotubes that can be employed during oil spills in the ocean and further increases its absorbing ability by treating the material. resulting in copyright for the same Registration No. L83802/2019.
- The oil could be easily extracted from the CNT material for further use without wasting it.

SIRAC Project: Development of Field assay for rapid detection of antibiotic susceptibility (Research Project) 2018

- Created a (Kiosk) portable device and software which detects aerobic activity in a solution. Designed IoT device to detect and find colour intensity with help of OpenCV and Python from Elisa Plate using Resazurin method.

ACHIEVEMENTS

- **Speak-Up:** 1st Prize in Hack-Violet Hackathon 2022, Chrome extension which empowering women to be more involved and engaged in virtual meetings to and to create a more inclusive team. Feb 06, 2022.
- **FaSHION:** 2nd Runner up in Smart India Hackathon 2018 Software edition under Students Innovation Category, March 30, 2018.
- **Carbon Sponge:** One of the Top 20 teams in the final round of 'Kalam Innovation Awards' held at Sairam Institution, Chennai, in the category of Water and Environment, April 09, 2017.