

OMKAR MENKUDALE

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ACADEMIC QUALIFICATION

Completed Bachelor of Engineering in Information Technology (BE IT), from International Institute of Information Technology (IIIT), Pune, Affiliated to Savitribai Phule Pune University (SPPU), 2016 to 2020. GPA: 8.23

WORK EXPERIENCE

System Analyst, HDFC Bank (IT Department), Mumbai, November 2020 -Till Date

Key Responsibilities:

- Evaluate possible vendors and technology solutions offered by them.
- Understand and deep dive into the Technology platform identified.
- Assist and support the team members during the integration and pre-deployment/production phase of the project.
- Manage the platform and troubleshoot the issues post deployment stage.
- Worked on various technologies like AWS, AI-ML / Data Science, Network and Security.

Projects

- AlgoSec – Change-management process of the bank is being automated using Robotic Process Automation (RPA) and the AlgoSec Fireflow (AFF) feature.
- Centralized device authentication platform – Objective of this project is to provide a frictionless user experience along with additional AI-ML based fraud detection features like behavioral biometrics, geo location tagging, bot and malware detection, etc. and mitigation features like Multifactor Authentication. CIAM (Customer Identity and Access management) and RBA (Risk Based Authentication) are the two main parts of this project. Evaluation of the following vendors was done – IBM, Forgerock, ThreatMetrix and Biocatch.
- AIML based Cyber Security Operations Centre (CSOC) by Securonix – This platform collects and analyses all the logs generated by various applications and OS, furthermore it detects, investigates and responds to threats in real time. It seamlessly integrates with various service management solutions to help in tracking all the incidents, changes and service requests. It also detects anomalies in real time.
- PwC Network infrastructure review – PwC would suggest the necessary corrective actions to be taken in the current bank network architecture.

ACADEMIC PROJECTS

Project Title: Agro-Intelligent Farming System, June 2019 to September 2020

Team Size: 4

Objective: To apply Machine Learning in Agriculture to increase farmer's income and optimize the process of irrigation and fertilization, prevent diseases occurring in plants.

- Read various research papers and found out the drawbacks in their solution.
- Prepared the database schema.
- Wrote part of the code for crop prediction and timeline using the Decision tree and the Logistic Regression Machine Learning algorithms.

Project Title: Paperwala, July 2018 to October 2018

Team Size: 4

Objective: To provide a platform where the consumers can directly interact with the suppliers for monthly/annual subscription of Newspaper.

- Hosted the website live on server.
- Used the free Hostinger service and domain name as well.
- Contributed in the home page front end code and the Database schema design.
- Integrated the front end and back end using PHP.

TRAINING & CERTIFICATIONS

- Amazon Web Services Cloud Practitioner Certificate
Issuing authority: Amazon Web Services (AWS)
Issued: Apr 2021, Expires: Apr 2024, Credential ID 5XCF2Y9L21RQ18C1.
- Completed Certified Training Program for “Programming in C and Fundamentals of Data Structures”, by Learnwell Technocraft, August to October 2017.

ONLINE COURSES

Completed MOOC courses on Coursera:

- Machine Learning for Business Professionals by Google Cloud, April 2020
- AI for everyone by Andrew Ng, July to August 2020
- The Bits and Bytes of Computer Networks by Google, February 2021
- Marketing Analytics by Rajkumar Venkatesan, University of Virginia, May 2020
- Successful Negotiation Essential Strategies and Skills by George Siedel, University of Michigan – September 2020
- Communication Strategies for a Virtual Age by Ivan Wanis Ruiz, University of Toronto and Teamwork Skills: Communicating Effectively in Groups, by Matthew A. Koschmann, University of Colorado Boulder, August 2020

TECHNICAL SKILLS

- AWS, Data Analytics, DBMS, Network and Security.
- Programming Languages: C, C++, Python, MySQL.

CO-CURRICULAR ACTIVITY

Worked on a project in which I Analyzed various factors affecting the spread of Corona virus. Performed data visualization of effect of factors like GDP per capita, Social support, Healthy life expectancy, Freedom to make life choices on the spread of Corona virus, using various libraries offered by python, May 2020.

AWARDS & ACHIEVEMENTS

- Winners in Inter-College soccer tournament organized by SBIIMS (2019) and Runners up in ISBM and Askara , I2IT, 2019 & 2020.
- Stood second runner up in Inter-Collegiate Table Tennis competition held by Savitribai Phule Pune University, August 2019.

EXTRACURRICULAR ACTIVITIES

- Conducting Guitar classes since April 2020, played guitar at various college cultural events and fests like Farewell ceremony and Dhruva college fest, February, 2021. Part of the I2IT Music club.
- Appointed as the Sports committee head of I2IT for 2019-2020, Event head for Soccer at Askara, I2IT, Inter College Sports Fest, Jan 2020.
- Member of CMC (Career Management Committee), June 2018 – October 2020.
- Volunteered and organized Blood Donation Camp, Mahatma Gandhi Jayanti Cleanliness drive, as a member of the NSS (National Social Service) September 2016-June 2019.