Amogh Karankal

Computer Engineering Graduate

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in https://www.linkedin.com/in/amoghkarankal/ ⌗ https://github.com/Amogh-Karankal

PROFILE

A Computer Engineering graduate and an AWS Certified Developer - Associate. I am looking for a suitable job opportunity while contributing and learning in a fun and challenging environment.

PROJECT EXPERIENCE

Rental Car Management System

04/2022 – 05/2022

- The frontend is designed using HTML5, CSS, Bootstrap.
- The database management is done using MySQL and connection is established using PHP.
- The website contains different options like user login, registration, Admin login, book a car, add a car, add a driver, return the car

Secure Communication System

07/2021 – 05/2022

- The messages are encrypted using the AES-256 encryption algorithm and the key exchange is done using Deffie Helman algorithm.
- The frontend is designed using AngularJS, HTML5, CSS.
- Web cryptography API is called for using the algorithms.
- The application is deployed using Ionic.

Red Wine Quality Prediction

11/2021 – 01/2022

- The purpose of the project is to predict the quality of red wine on a scale of 0–10 when given a set of features as inputs.
- The "Wine Quality Data" dataset from UCI Machine Learning Repository is used to achieve this purpose.
- The higher the value the better the quality.
- We have applied 2 machine learning algorithms, Random Forest Classifier and Stochastic Gradient Descent.

TECHNICAL SKILLS

Public Cloud:
Amazon Web Services, EC2, Elastic Load Balancer (ELB), Virtual Private Cloud (VPC), S3, IAM, Relational Database Service, (RDS)

Database:
MySQL, MongoDB, NoSQL

Programming languages:
Python, C++

Frontend:
HTML5, CSS, JavaScript, ReactJS, Bootstrap

Data Analytics:
Microsoft Power BI, Tableau

Operating Systems:
Linux/Ubuntu, Windows 8/10/11

Cybersecurity:
Threats, Risks and vulnerabilities, SIEM Tools, Incident response

CERTIFICATIONS

AWS Certified Developer Associate ⌗
Nov, 2022 - Nov, 2025

Microsoft Certified: Azure Fundamentals ⌗
Jul, 2022

Microsoft Certified: Security, Compliance, and Identity Fundamentals ⌗
July 2023

Google Cybersecurity ⌗
Sept, 2023 - Dec, 2023

Blockchain based game of Rock, Paper and Scissors

09/2021 – 01/2022

- Ethereum is used as a currency for transaction between the users and smart contracts.
- Solidity is used for implementing the smart contracts.
- The IDE used for writing and debugging the solidity code is Remix IDE.
- MetaMask is the software cryptocurrency wallet used to interact with the Ethereum blockchain.

LANGUAGES

- English

- Hindi

EDUCATION

B.Tech (Computer Engineering)

VJTI, University of Mumbai

2018 – 2022 | Mumbai

Courses completed:

- Cloud Computing
- Database Management System
- Open Source Computing/Programming Lab
- Cyber Security
- Big Data Analytics
- Machine Learning
- Blockchain Technology
- Computer Networks
- Human Computer Interaction