

JONATHAN JOB SAMUEL

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Jonathan Job Samuel is currently pursuing his B Tech in Computer Science from VIT Chennai and is looking for opportunities to gain practical experience to solve real world problems. He has a good understanding of programming languages such as C, C++, Java and Python and with a strong foundation on Data Structures and Algorithms. He is an enthusiastic learner with a passion to learn new technologies (beyond what is required by his curriculum). He has good problem solving and analytical abilities. He has consistently done well in his academics as is evidenced by his CGPA of 9.58 as of 5th semester and a GPA of 9.9 in the previous semester.

PROJECT EXPERIENCE

Project for Samsung PRISM: Machine Learning based classification of defects

Currently working on a machine learning project that involves multi-class classification and multiple feature clustering techniques. The project aims to develop a model that can accurately classify data into multiple classes while also identifying subclasses within each class based on relevant features. Implemented a website frontend for the system with following features:

- Submit excel file for classification.
- Perform verification of automatic classification, the verified data is then used in the next training run.
- Add new training data for new categories.

Technologies used: Tensorflow, python, NodeJS, Kafka, Postgres DB, React

STACKOVERFLOW CLONE

Developed a StackOverflow clone where users can ask questions and receive answers from the community with the following features.

- Sign up and Login using Google Account
- Post a new question
- View all questions and sort the questions by newest or votes
- Implementing one user - one vote feature

Technologies used: Postgres DB, Node JS And Express JS, React JS, Google API, Material UI

HOSTEL LEAVE APPLICATION SYSTEM

I built a hostel leave application with comprehensive features, enabling students to easily request and manage their hostel leaves. The following features were implemented

- Different Login based on student or hostel warden
- Student can apply for a new leave and check live status
- Email notification of approval
- Warden can see the leave requests that are under them

Technologies used: Postgres DB, Node JS and Express JS, React JS, Bootstrap

SOCKET BASED CHAT PROGRAM

I developed a socket-based chat program in Python, enabling users to establish real-time communication by exchanging messages over a network. The program facilitates seamless interaction between multiple users, fostering instant messaging and collaboration.

EDUCATION

AUGUST 2021 – TILL DATE

B.TECH COMPUTER SCIENCE, VIT CHENNAI

CGPA: 9.58

MAY 2021

CLASS XII, FIITJEE SCHOOL, HYDERABAD

GRADE: 82.6%

APRIL 2019

CLASS X, PHOENIX GREENS SCHOOL,

HYDERABAD GRADE: 93.2%

SKILLS

- Operating System: Linux
- Programming Languages: JavaScript, Java, Python, C, C++
- Frameworks: NodeJS, Express, React JS, Bootstrap, Material UI
- Networking: OSI Model, Cisco Packet Tracer

CERTIFICATIONS

AWS CERTIFIED CLOUD PRACTITIONER

https://www.credly.com/badges/238b0f00-2786-4239-b4ed-a64b7cd538d0/public_url

AWS Certified Solutions Architect – Associate

https://www.credly.com/badges/44de25ae-6670-48c0-998f-0948b058af50/public_url

COURSERA CERTIFICATE ON MACHINE LEARNING

Machine learning Specialization by Stanford And Deep Learning.AI

<https://coursera.org/share/ae0905c48fd52cef44202ef9bdba1441>

COURSERA CERTIFICATE ON PYTHON

Course 1: Python Data Structures

<https://coursera.org/share/ceb85996522d78197982f90ae06ca513>

Course 2: Using Python to Access Web Data

<https://coursera.org/share/5bf0fef94b92562ecf45f8c62ed7f178>

Course 3: Using Databases with Python

<https://coursera.org/share/f8ca266d42aea208d7654ee37394398c>

PUBLIC REPOSITORY

<https://github.com/samujonathan>