SHIVANSH ANAND SRIVASTAVA

Software Developer

@ shivansh.anand@students.iiit.ac.in   📞 +91 6388330992   in anandshivansh   🐙 anandshivansh

EDUCATION

B. Tech in Computer Science and Engineering
IIIT - Hyderabad   July 2018 - May 2022

WORK EXPERIENCE

Software Developer in Design and Analysis of Software Systems Team

📅 January 2020-April 2020   📍 Hyderabad , India

- Worked for an industry client as a part of our DASS course project.
- Developed front-end in React for the mass mailing web application.
- Used methods like Agile software development,made Class diagrams and Use-case diagrams.

Co-founder and Head of Development Team at Krishi Sevak

📅 May 2020 - Present   📍 Ayodhya , India

- **Krishi Sevak** is an Android application for the farmers currently running in **Ayodhya,India**.It provides rental farming machinery through service providers registered through the application.
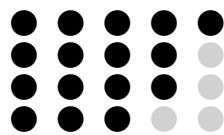- Developed the android application in Java and used Firebase for database.

Undergrad Research Student @ Lab for Spatial Informatics,IIIT-Hyderabad

📅 June 2020 - Present   📍 Hyderabad , India

- Currently working on Satellite image processing under Professor **Dr. KS Rajan** using U.S.Geological Survey data-set.

SKILLS

C++, React, C, Python, OpenCV
GitHub,Selenium,My-SQL,Firebase
HTML, CSS, Java, Express
MongoDB,Tensorflow

RELEVANT COURSEWORK

- **Computer Science** : Design and Analysis of Software Systems, Machine Data and Learning, Computer Systems Organization, Data Structures and Algorithms, Computer Systems Engineering-1
- **Mathematics** : Introduction to Information Security, Introduction to Quantum Information and Computation, Linear Algebra, Probability and Statistics, Discrete Structures

EXTRACURRICULAR

- Member of App Development-Team for our college fest Felicity 2020.
- Member of Abhivyakti Club ,IIIT Hyderabad.

PROJECTS

TRY-IT A Virtual Dressing Room
TensorFlow-lite,Java,OpenCV,SQlite

- Android Application for trying various outfits.Estimates key body features during camera preview.The outfit is placed on screen by calculating its size and position using estimated features.

Mandalorian Game in python CLI
OOPS,Python

- Command line game in python.Follows OOPS concept.

Bulk Order and Purchase WebApp
MERN stack

- Application where seller could host,sell and dispatch products when there are enough orders.

Linux Shell/Terminal
Programmed in C

- A Bash like shell in C using Linux system calls, includes user-defined commands, piping, redirection and signal handling.

Laziness Detector
OpenCV,dlib

- Detects yawning using facial landmarks and the changes in distance between lips.

Credit Card Number-Reader
OpenCV,Keras,LeNet CNN

- Includes data-set creation using augmentation,training the model,extracting credit card using Canny and identifying the digits using the Model created.

Hand Written Digit Recognition
OpenCV,KNN,MNIST

- A comparative study of Digit Recognition using KNN and MNIST dataset.Consists of two methods- One using KNN, and other using MNIST data-set.

Video Center - DBMS Project
Python,MYSQL

- Has features like user authentication,admin login,like,report,delete similar to YouTube.Queries are processed using pymysql.

All-in-one News application
Java,Retrofit,GSON,Glide

- Android Application in Java to get news from various editorials.API used **NewsApi.org**

ACHIEVEMENTS

- **Programming :**
  - **Codeforces:** Handle: **Shivansh12**,Rating: **Expert**
- JEE Mains rank 339(Out of million students)
- JEE Advance rank 4277 (out of 200,000 students)