

SHIVANSH ANAND SRIVASTAVA

Software Developer

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anandshivansh

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shivanshanand

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, Class diagrams and Use-case diagrams.

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.
- Won SummerUp 2020, organized by E-Cell IIIT-H, in collaboration with Walmart.
- Developed it in Java and used Firebase for database.

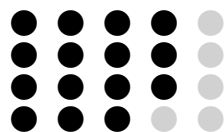
Undergrad Research Student @ Lab for Spatial Informatics, IIIT-Hyderabad

June 2020 - Present Hyderabad, India

- Currently working on Road Object Extraction from high resolution satellite imagery under Professor **Dr. KS Rajan**.

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**
 - **Hackercup 2020**: Qualified for Round 1 with 737 rank
- JEE Mains rank 339 (Out of million students)