

RAJENDRA PRAJAPAT

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3rd year B.Tech, Computer Science & Engineering, IIIT Dharwad

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EDUCATION

B.Tech in Computer Science and Engineering
Indian Institute of Information Technology Dharwad

August 2017 - June 2021
Overall CPI: 7.55/10

12th (Senior Secondary Examination)
Rajasthan Board of Secondary Education

2016
Percentage: 86.40

10th (Secondary Examination)
Rajasthan Board of Secondary Education

2014
Percentage: 84.33

TECHNICAL SKILLS

Computer Languages
Frameworks & Runtimes
Concepts
Software & Tools

C/C++, Python, JavaScript, MATLAB
HTML, CSS, NodeJS, ReactJS, ExpressJS
RDBMS, NoSQL, OOP
NS3, git, LaTeX, WireShark, AWS, Googl Cloud, MongoDB atlas

ACADEMIC PROJECTS

WRITE IN AIR

Jan 2020 - Present

B.Tech Project, 6th Semester

- In a team of four people wrote a program capable of accurately detecting finger tip in air using skin HSV color
- The trajectory of the finger tip in the air is determined and drawn to an empty frame
- The detection is done without any extra hardware
- Trained CNN model with Keras to predict number or math operator from the trajectory with 99.89% accuracy

DATA MANAGEMENT SYSTEM (GUI APPLICATION)

Dec 2018 - Jan 2019

B.Tech Project, 4th Semester

- Developed a Password manager using famous software development kit Visual Studio 2017 by using visual c++
- Designed a UI where admin can enter and modify details of members

KISAN HELPING SYSTEM

Dec 2018 - Jan 2019

- Led a 6 members team which developed a system for farmers to control electricity during peak hours
- Designed algorithm to cluster farmers based on their requirement like soil, crop, motor power
- Developed a web dashboard for organization to monitor all the activities in system

PERSONAL PROJECTS

- Developed a **Password Manager**, a GUI application for Windows by using **Visual C++** and **object-oriented methodologies** in visual studio 2017 where user can enter or modify password related fields in given easy to use UI.
- Developed a **multi-threaded client-server** terminal chat application with **SSL/TLS** layer encryption over **TCP** layer.

- Developed an **Entry Management System** which captures the details of visitors, shows at the front-end, notifies to host with email and mobile message and stores the data in **SQLite database** with a timestamp using **NodeJS**
- Developed a **web scraping** project which takes data from the "Cleartrip" site, shows available trains on a given date between two stations in a GUI application created with the **Python-Tkinter** module.

RELEVANT COURSES

Core Courses

Data Structures & Algorithms
 Theory of Automata
 Compiler Design
 Object Oriented Programming
 Computer Networks
 Database Management System
 Machine Learning(ongoing)

Other Courses

Quantum Computation
 Cryptography
 Probability and Statistics
 Calculus & Linear Algebra
 Advanced Computer Networks
 Software Design
 Data Analytics(ongoing)

POSITION OF RESPONSIBILITY

Codechef Campus Chapter

Coordinator

August 2019 - Present

IIIT Dharwad

- Coordinating with team of 20 students responsible for organising coding contest and workshops for the college students of Hubli-Dharwad
- Responsible for communication with coordinators of other colleges' campus chapters, Problem Setting and testing.