

# Gaurav Buwa

☎ (+91) 9414474405 | ✉ gauravbuwa98@gmail.com | 🌐 Gaurav Buwa

## Education

### Government Engineering College, Ajmer under Rajasthan Technical University, Kota

B.TECH IN COMPUTER SCIENCE AND ENGINEERING - **76.53% OR 8.4 CGPA**

Ajmer, Rajasthan, India

Aug. 2017 - May. 2021

### Samrat Public Senior Secondary School

HIGH SCHOOL (SCIENCE STREAM)- C.B.S.E **80.2%**

Ajmer, Rajasthan, India

Year of Passing- Mar. 2017

### Maheshwari Public School

SECONDARY SCHOOL - C.B.S.E **9.6 CGPA**

Ajmer, Rajasthan, India

Year of Passing- Mar. 2015

## Work Experience

### Tata Consultancy Services

SYSTEMS ENGINEER

Remote

Jul 2021- Present

- Tech Stack - **Java, SQL, HTML, CSS, TypeScript**
- Working in a team who is working on rewamping the whole iON module into Angular (Internal Project).

### Veermata Jijabai Technological Institute

SUMMER RESEARCH INTERN

Mumbai

May 2019 - July 2019

- Security issues forms one of the topics of concern in Mobile Network. Task was to suppress severe negative impact brought by the routing disruption attackers by implementing two research papers.
- Implemented by comparing results and finding efficiency of nodes sending packets to the neighbouring nodes after applying these two methods separately using EXata as a network emulator.
- An Evolutionary Self-Cooperative Trust Scheme : In MANET every node is mobile, so there may be case that Y never sends the hello message to X as for example Y is moving away from the network.
- Novel Light-weight Subjective Trust Inference Framework in MANETs: The TV (Trust Value) is assigned to each node by the monitoring node on the basis of SO (Subjective Observation), LTA (Link Transmission Ability), HTR (Historical Trust Recommendation) values.

## Projects

### Video Captioning and Searching

DEEP LEARNING

March 2021

- Developed a Video Captioning System for automatic captioning of the actions and events performed inside a video.
- Used pre-trained VGG16 model for features extraction and **Encoder - Decoder** model architecture for caption generation.
- Tools and technologies used: **Python, OpenCV, Spyder, Google Colab.**

### TEQIP-III RTU Web Hack and HR Conclave: Recruitment Technology 4.0

FACE MASK DETECTION

September 2020

- Developed a face mask detection system that detects if mask is worn, not worn or incorrectly worn.
- Trained a custom object detector using **Darknet-53**, which is used by Yolo for real time time detection.
- Tools and Technologies used: **Python, YOLO, OpenCV.**

### Term Deposit Prediction using Machine Learning

- Client was a retail banking institution. Task was to determine whether the client will subscribe to term deposit or not.
- Tools and Technologies used: **Python, OpenCV, NumPy.**

June 2020

## Skills

Programming

HTML, CSS, TypeScript, Angular, C, C++, Python, SQL, JAVA

Tools and Frameworks

MongoDB, MySQL, Eclipse, Anaconda, OpenCV, Pycharm, EXata Network Emulator

Tech and Subject

Machine Learning, Natural Language Processing, DBMS

## Achievements and Certifications

- Secured 2nd position among 64 teams from all over Rajasthan in TEQIP-III RTU (ATU) sponsored state level online hackathon titled Web Hack & HR Conclave Recruitment Technology 4.0. The details of project and result were published in local newspaper.
- Java Essential Training course by LinkedIn Learning.
- Google Crash Course on Python by Coursera.
- Algorithmic Toolbox by Coursera.
- 5 Star on **Hackerank** in C++ language and 4 Star in Problem Solving, 145+ problems solved on **GeeksForGeeks**
- 140+ problems solved on **LeetCode**