# Karan Singh
## Student Developer

A curious developer keen on mastering all things Tech

✉ karansingh8777@gmail.com

📍 Lucknow, India

github.com/wolf-hash

📱 9451540117

in linkedin.com/in/karan-singh-46a277208

## EDUCATION

### B. Tech, Computer Science and Engineering
Vellore Institute of Technology, Vellore

07/2019 - 06/2023                                    CGPA - 9.7

## EXPERIENCE

### Selected Student
Google Summer of Code, 2021

*05/2021 - Present*
*I am working on a Media Retrieval engine based on Scene-text transcription of Video frames for Vitrivr.*

### Core Member
Sigma Xi Research Society

*11/2019 - 11/2020*
*I was part of the Core Committee of Sigma Xi, a Research Society in VIT, Vellore affiliated with MIT, Boston.*

### Speaker of Tame the Machine in Quarantine
Machine Learning workshop in Sigma Xi

*05/2020*
*Conducted a workshop on the basics of Machine Learning concepts for VIT students.*

### Published paper in Springer Conference Proceedings
iCASIC 2020

*02/2020*
*Presented a paper on Novel Dynamic Password generation using SVD and Linear Systems involving Euclidean Algorithm.*

## ACHIEVEMENTS

- Scholarship from VIT for achieving University Rank 3rd (2020)

- Recognized as a member of The Junior Academy by the Global STEM Alliance and New York Academy of Sciences, (2018)

- Participated in Autonomous Robotics Workshop, Tryst IIT Delhi, (2017)

- Cleared first round of National Engineering Olympiad (NEO)

## SKILLS

Python | C/C++ | Java | Bash | Javascript | SQL | Rust | Django | Tensorflow | Keras | Qiskit | Tensorflow Quantum | Qt | JQuery | Git | MySQL | PostgreSQL | Heroku | Object Detection | Natural Language Processing | Bootstrap

## PROJECTS

### AirMouse - Hand Gesture Control
- Project Link - github.com/wolf-hash/Air-mouse--gesture-control
- Software for controlling the mouse with Natural Hand Gestures. Written in Python it uses the Tensorflow Object Detection API and Single Shot Detector on MobileNet.

### Voyage - Hotel room booking site (Group Project)
- Project Link - github.com/wolf-hash/Voyage
- A website made with Django where a user can book a hotel room for a particular timetable. Features include being able to search and book rooms, landlords can post advertisements for their rooms which has to be verified by the Admins before it is visible on the site. Made as a freelance job for a person in Australia

### College ClubHouse - Social Media for University - (Group Project)
- Project Link - github.com/wolf-hash/College-ClubHouse
- An underdevelopment web portal for students of our university with 90 percent of the back-end complete. Features include Chat-Rooms, Resource page, and Club's portal. Students can create and chat with other students of the university and also view various university resources uploaded on the portal.

### Ajax Chat - A web chat app using Ajax
- Project Link - github.com/wolf-hash/Ajax-Chat-App
- A chatting feature for club house was developed as a separate project and later integrated as a Slack like Chat room feature. Developed using Javascript and Django

### Snakes in Rust - Classic Snakes game made in Rust
- Project Link - github.com/wolf-hash/Snakes-in-Rust
- This is the classic snakes game implemented in Rust using a Linked List of boxes as a Snake and a node is added every time food is eaten. This project was developed as an exercise to learn Rust.

## LANGUAGES

English
*Native or Bilingual Proficiency*

Hindi
*Native or Bilingual Proficiency*