

# Vedant Rokde

B.Tech Computer Science Engineering

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Ingrained Passion towards Software Development and Web Dev (API-backend) creation. Open to opportunities in Data Analysis, Machine Learning and Automation. Looking forward to development, innovation and solving real-world problems.

## EXPERIENCE

### Ernst & Young Services LLP, Mumbai

**Summer Intern** 04/2021 – 06/2021

- Worked on Automated Forms Testing and Load handling
- Compress manual approach to single click application

### Nokia Solutions and Networks India Pvt. Ltd., TN

**SDE Intern** 06/2020 – 11/2020

- Development of Freight Recommender System
- Visualization of Trade and Sales market sales

### Okulo Aerospace Pvt. Ltd., Bangalore

**Machine Learning Intern** 06/2020 – 08/2020

- Developing an Object Tracking model for Drones on aerial and oblique views from the drone.

### Swasthchain Pvt. Ltd., Chennai

**SDE Intern** 03/2020 – 06/2020

- Developing of personalised medicine recommendation system.

### Mellon Ai, Chennai

**Machine Learning Intern** 12/2019 – 02/2020

- Developed a deep learning model and hyper parameter tuning of it for real-world problems

## EDUCATION

B.Tech (Computer Science Engg.) CGPA – 9.15

Vellore Institute of Technology, Chennai 07/18-Present

10+2 Central Board of Education 12<sup>th</sup> – 88.6%  
Kailashpat Singhania High School, Vijaygram 10<sup>th</sup> – 10CGPA  
07/06-06/18

## ACHIEVEMENTS

- Runners-up at WIdEathon'2021 by IEEE WIE
- Winners of PALS Analyse Event 2021
- Accomplished 4286th rank world-wide in Google Hashcode'21
- Runners-up In-house Project Expo'21 held at VIT, Chennai
- Runners-up at EY Techathon 2021
- Presented at MIT Boston's "Vaccine for all" conference Dec'20
- Finalists for Parallax Hackathon held at VIT, Vellore.
- Winner of Healthcare Hackathon organised by Mellon.AI.
- Received VIT Meritorious Student Award for First year.
- School runner up in 12th Board Exams(CBSE) scoring 88.6%.
- School Topper in 10th Board Exams(CBSE) with 10CGPA score.

## SKILLS

### Languages

Python, C, C++ STL, Java, MATLAB, R, ASM, CMD shell

### Data Science and Machine Learning

Visualization using Seaborn, Matplotlib and Tableau, BeautifulSoup, Selenium, Librosa, Pandas, Numpy, Sklearn, Tensorflow-Keras

### Cloud Based

Google Cloud Platform, Heroku, PythonAnywhere

### Web Development

HTML5, CSS, JS, PHP, Flask, Node(MERN)

### Computer Science

DSA, Software Engineering, DBMS(SQL and MongoDB)

Problem Solving, Competitive Programming, Microsoft Office, Latex, Git VC, GitHub

## NOTABLE PROJECTS

### Vax India Tech (VIT)

- Provident Vaccine distribution strategy for India using various estimators and dynamic rollout strategies.
- Demographics-wise prioritization with synthetic data simulation using various biological & demographical aspects.

### Maddat (Health and Distress Management System)

- SOS alert to emergency contacts and NGOs. Distress Signal sent to all nearby app users to provide imminent support.
- Embedded with a social network to spread awareness regarding self-defence camps and workshop.
- Included with an e-store with self-defence and safety products.

### Fish Freshness Detection

- Dataset built from market bought fishes in varying time intervals and surrounding conditions.
- Trained yolo for ROI detection on eye and gills in an image.
- Trained model using Ensemble Learning to predict fish freshness.

### Bird Chirping Identification

- Classification over 264 varieties of birds' audio data.
- Extracting features like Fourier transform, Mel spectrogram, zero crossing rate, spectral centroid, spectral roll-off from audio data
- Later applying mathematical models on this extracted data to make classification into 264 bird types

## ORGANIZATION

- Google Development Society Club (Open-source Lead)
- PAN I.I.T. Alumni Leadership Series [PALS] (WebDev Team)
- IEEE Computer Society (Machine Learning Enthusiast)
- Open-Source Club-VITCC (Event Managers)