

Vedant Rokde

B.Tech Computer Science Engineering
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Ingrained Passion towards Software Development and Web API 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 – 9.14

Vellore Institute of Technology, Chennai 07/18-04/20

10+2 Central Board of Education 12th – 88.6%
Kailashpat Singhania High School, 10th – 10CGPA
Vijaygram 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

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)