Vedant Khairnar

8888627106 | vedron007@gmail.com | linkedin.com/in/vedantkhairnar | github.com/VedantKhairnar| vedantkhairnar.ml

Experience

Software Engineer June 2021 – Present
Persistent Systems Ltd. *Nagpur, India*

- Working on an IDFC Bank Project, UCTopUp team as Salesforce Developer.
- Received special mention at New Cohort Activity.

Artificial Intelligence Lead Jan 2021 – June 2021
Megahoot LLC *Florida, USA*

- Led the AI/ML domain of the company.
- Worked on VeroHive- Videoconferencing platform on virtual background and green screen technology.
- Worked on a Virtual Camera Filter App and AR filters using Tensorflow JS.

Founder July 2020 – Present
DevScript

- A Coding community with motto, *'Lets come together to Learn and Grow!'*
- Reached and mentored 6k+ students.
- Organised India's biggest OpenSource Hackathon.

Application Developer June 2020 – Nov. 2020
Tessellate Imaging

- Contributed to Monk AI: Opensource Wrapper Tool for Deep Learning.
- Created several Deep Learning Applications using Monk AI.

Project Manager Sept. 2020 – Nov. 2020
LetsUpgrade

- Received Best Project Manager Award.
- Managed an OSS Project of Q-Stream Media Player during the event period.
- Handled the contributions and mentored students.

Project Lead May 2019 – June 2019
Krish Infotech Pvt. Ltd.

- Led a team of 3 developers on a project.
- Worked as Full Stack Developer on an e-Commerce Project.

Education

Shri Ramdeobaba College of Engineering and Management Nagpur, Maharashtra, India
Bachelor of Engineering in Computer Science and Engineering *June 2017 – June 2021*

Projects

Locust Tracker (58 ⋆) | *AI, Cesium JS, OpenCV, Python, Monk AI* April 2021 – April 2021

- Won the Most Popular Choice Award at Microsoft Azure AI Hackathon.
- It is a web application that tracks the real-time locust's location and visualizes wind patterns on earth and predicts the probability of locust swarm attack on any given location through satellite imagery using machine learning models.
- Implemented a great visualisation using Cesium JS and ML model using satellite imagery from Sentinel.
- Used Image Processing to detect green grasslands part and used winds to trace the route of Locusts.

Adaptive Traffic Control System (9 ⋆) | *AI, YOLOv3, OpenCV, Python* Feb 2020 – April 2020

- Dynamic Traffic control system based upon the traffic density in 4 lanes.
- Uses YOLOv3 for vehicle detection and analysis.
- Also configured pedestrian detection and vehicle variation analysis for future references.
- Devised an algorithm to regulate the traffic using python.

Chest X-Ray COVID-19 Detection (18 ⋆) | *AI, Transfer Learning, ResNet, Python* June 2020 – June 2020

- Predicts if someone is COVID 19 positive or not by Chest X-Ray using Transfer Learning over ResNet-18.
- Reached an accuracy of 97 %.
- This project was published in newspaper and was highlighted by many coding communities.

pdf2textlib (4 ⋆) | *Python, Tesseract OCR Engine, pypi* Jan 2020 – Feb 2020

- Python Library to extract multilingual text from PDF and images.
- Uses Google Tesseract OCR Engine for text extraction.
- Works on a wide variety of languages including Urdu.
- Visit: https://pypi.org/project/pdf2textlib/ .

Q-Stream Media Player (23 ⋆) | *Desktop App-Python, PyQt5, Streamlink, Flask* June 2020 – July 2020

- A Media Player which can run any online video from 300 different online sites.
- Desktop App made using PytQt5 and uses streamlink API for resource link.
- Created a full fledged UI of media player and a wrapper API for streamlink using Flask.

Twitter Sentiment Analysis & Fake News Detection (6 ⋆) | *NLP, Python, Flask, Tweepy*Feb 2020 – May 2020

- Analysis using Logistic Regression and textblob.
- Integration of ML Model which used Twitter API, NewsAPI, Google Trends API with the webapp.
- Stemming of sentences for fake news detection using word frequency mapping.

Face-Recognition-based-Attendance-System (15 ⋆) | *Python, OpenCV, face-recognition* Dec 2019 – Jan 2020

- Facial Recognition based Attendance System.
- Stores records in the excel sheets.
- Easy to add members to database.

Technical Skills

Languages: Python, Java, SQL, JavaScript
Frameworks: Flask, Node JS
Database and Cloud: Heroku, Firebase, MongoDB, Postgres, AWS, GCP, Azure
Domains: Machine Learning(NLP and Image Processing), Data Science, Web Development
Others: Auth0, Adobe Photoshop, Adobe Premiere Pro, Blender, Unity

Achievements

Research Paper: Face Recognition based Attendance System— Twitter Sentiment Analysis
Certifications: Microsoft Certified: Azure Fundamentals(AZ900)— Microsoft Innovative Educator— Microsoft Student Partner— Microsoft Technology Associate(Python)
Hackathon: Most Popular Choice Project award at Microsoft's Azure AI Hackathon. — Judged 5+ hackathons, Mentored 10+ hackathons — Mentor@MLH .
Miscellaneous:Hackerrank Gold Badge Collection— Amdocs Hackfest AIR 24 — ICPC Honorable Mention— Lock Fest Winner — InterBranch Technical Cup Winner — Most Resourceful Person [AI/ML FDP by AICTE] — Agora Student Ambassador