

Vedant Khairnar

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EXPERIENCE

Software Engineer

June 2021 – Present

Persistent Systems Ltd.

Nagpur, India

- Working on IDFC Bank Projects, CrossSell and UCTopUp team as Salesforce Developer.
- Received High-Five Team Award for a big role in team's success.
- Received special mention at New Cohort Activity.
- Salesforce

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.
- AI/ML, Image Processing, Augmented Reality

Founder

July 2020 – Present

DevScript

- A Coding community with motto, 'Where Development meets Opportunities!'
- Reached and mentored 6k+ students.
- Organised India's biggest OpenSource Hackathon.
- Community Management, Leadership, Developer Relations

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.
- Created highly accurate Transfer Learning based Object Classification and Detection Models(Animal Classification, Chest Disease Classification, Blood Cells Detection, etc.)
- Deep Learning, Image Processing

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.
- Python, PyQT5, Flask

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.
- Multi-lingual ChatBot for Federal Ministry** | *AI, NLP, MERF, Python* July 2021 – July 2021
- Freelancing Project for Federal Ministry for Family Affairs, Senior Citizens, Women and Youth (Germany).
 - MERF Stack WebApp with CRUD operations for chatbot question-answer database.
 - Uses googletrans for Language Translation.
 - Admin Panel using React Admin
- Hybrid Movie Recommender System** | *Pandas, Sklearn, NLTK, Flask Jinja* April 2020 – May 2020
- Hybrid of Collaborative Filter and Content Based filtering.
 - Works over a database of 9k+ movies.
- 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 PyQt5 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] — Azure Nagpur Organiser — Agora Student Ambassador