Vishnu Singh Sengar

Backend Developer
Bengaluru, Karnataka (India)
Latest ⟳ / Light ♀

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EXPERIENCE

- **HealthifyMe**   Bengaluru, KA
  Backend Developer   *September 2021 - Present*
  - Core developer of HealthifyPro, the flagship plan at HealthifyMe.
  - Lead and developed Diagnostics, a home blood sample collection service. Helped generate revenues worth **50M INR**. Role allowed me to lead B2B Technical discussions along with development of highly secure and available systems.

  Technologies and Skills: Python, Django, MySQL, Redis, System Designing, B2B Relation, Leadership.

- **Morgan Stanley**   (remote) Bengaluru, KA
  Software Consultant (Accolite Digital)   *February 2021 - August 2021*
  - Developed tools for advanced finance and wealth management for clients under ultra high worth category.
  - Worked actively towards data sanity and cleaning for incoming as well as existing data.

  Technologies: Python, SpringBoot, Angular and REST APIs.

- **Indicium Hub**   (remote) Jaipur, RJ
  Machine Learning Intern   *May 2020 - July 2020*
  - Developed active driver monitoring systems to minimize accidents because of driving inefficiency.

  Technologies: Python, Computer Vision (OpenCV)

EDUCATION

- **Jaypee Institude of Information Technology**   Noida, UP
  B.Tech. in Computer Science and Engineering (CGPA: 7.6/10)   *July 2018 – February 2021*

PERSONAL PROJECTS (WITH LINKS)

- **Covid.Army**: Developed India's first fraud prevention system for COVID-19 leads. Got mentioned by Twilio and extended support to several popular crowdsource lead accumulation platforms. Handled traffic of approx 3M users a week
- **SpotAlysis** (access restricted): An instagram for music. Get song recommendation for your taste, allows you to download your playlists and connect with people having similar musical preferences as yours.
- **InstaDaily**: An AI based tool to help reduce scrolling time on Instagram by fetching top N posts of a hashtag. Enables to save posts to local storage with voice commands.
- **Sort It Out!**: OCR powered physical smart conveyor model to eliminate the need of human labor in supply chain by guiding boxes in conveyor to their respective destination. Made possible using Python, Arduino Programming and basic IoT.
- **Ana**: An intelligent AI based assistant (named Ana) running on top of TF Pose built using Python and OpenCV to monitor your workout sessions and gives an audio alert you when the posture goes wrong.
- **Drive Safe**: An active driver monitoring system that smartly monitors driver's attention on road and creates audio alerts if the driver is drowsy and/or looking away from road for longer duration.
- **AI for Corona**: Among the first developers who tried to tackle pandemic with AI. Build tools to detect and monitor breach of social distancing and face masks with existing architecture of cameras. Trained machine learning models to predict fatalities with help of available open datasets. Recognised by IJEAST for publication on the same.
- **The CCTVs that got smarter**: An intelligent deep learning based model built on top of TensorFlow using Python which uses a complex neural network architecture backed by a large dataset of over 2K videos which predicts violence happening in a live video stream at around 15FPS

PERSONAL PUBLICATIONS (WITH LINKS)

- Sengar, Vishnu Singh, and Snigdha Das. "APPLYING AI IN TIMES OF COVID-19." International Journal of Engineering Applied Sciences and Technology 5.1 (2020): 314-318.