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**. The role allowed me to lead B2B Technical discussions along with the 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 (via Accolite Digital) — *February 2021 - August 2021*
  - Developed tools for advanced finance and wealth management for clients in the ultra high-worth category.
  - Worked actively on data sanity and cleaning for both incoming and 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 minimise accidents because of driving inefficiency.

  Technologies: Python, Computer Vision (OpenCV)

Education

- **Jaypee Institute 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 collaborated with several popular crowdsourced lead accumulation platforms. A week, I dealt with approximately 3 million users' traffic.
- **SpotAlysis** (access restricted): An Instagram for music. It recommends songs based on your preferences, allows you to download your playlists, and connects you with people who share your musical tastes.
- **InstaDaily**: An AI based tool to help reduce scrolling time on Instagram by fetching the top N posts of a hashtag It enables you to save posts to local storage with voice commands.
- **Sort It Out!**: OCR powered physical smart conveyor model to eliminate the need for human labour in the supply chain by guiding boxes on conveyor to their respective destination. Python, Arduino programming, and basic IoT were used to make this possible.
- **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 give an audio alert when the posture goes wrong.
- **Drive Safe**: An active driver monitoring system that smartly monitors the driver's attention on the road and creates audio alerts if the driver is drowsy and/or looking away from the road for a longer duration.
- **AI for Corona**: Among the first developers who tried to tackle pandemics with AI, Build tools to detect and monitor breaches of social distancing and face masks with the existing architecture of cameras. Trained machine learning models to predict fatalities with the help of available open datasets. IJEAST has approved publication on the subject.
- **The CCTVs that got smarter**: An intelligent deep learning model built using TF Pose with Python which is trained over 2K videos to predict any violence (in realtime) that is happening in a video stream at appreciable frame rates.

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.