Vishnu Singh Sengar

Backend Developer (SDE-I)
Bengaluru, Karnataka (India)
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WORK EXPERIENCE

- **HealthifyMe**   Bengaluru, KA
  Backend Developer   *September 2021 - Present*
  - Pitched and spearheaded the successful development and launch of Smart Water Bottle built on a django backend with IoT technologies, achieving an impressive revenue of close to a million rupees within the first week of its release.
  - Collaborated across teams to build AI-Based Food Detection, CGM, and Diagnostics. Food Detection achieved the market best accuracy thanks to the intelligent use of state-of-the-art neural networks, Elasticsearch, and AWS personalize.
  - Improved legacy features with the use of generative AI, enhancing engagement by up to 50% and integrated META GraphQL APIs and AWS Sagemaker to optimize flows, enhancing both engagement and accuracy as required.

  Technologies: Python, Django, MySQL, Redis, Elasticsearch, GraphQL, Git, MongoDB, Machine Learning.

- **Morgan Stanley**   (remote) Bengaluru, KA
  Software Consultant (via Accolite Digital)   *February 2021 - August 2021*
  - Developed sophisticated tools for advanced finance and wealth management exclusively for ultra-high-net-worth clients.

  Technologies: Python, Java, SpringBoot, AngularJS, REST APIs, Git.

- **Indicium Hub**   (remote) Jaipur, RJ
  Machine Learning Intern   *May 2020 - July 2020*
  - Developed AI based active driver monitoring systems aimed at minimizing accidents caused by inefficient driving.

  Technologies: Python, AI [Computer Vision], Git.

EDUCATION

- **Jaypee Institute of Information Technology**   Noida, UP
  B.Tech. in Computer Science and Engineering (CGPA: 7.6/10)   *July 2017 – February 2021*

CREATIVE PURSUITS

- **Covid.Army**: Developed India's first fraud prevention system for COVID-19 leads, receiving recognition from Twilio and collaborating with popular crowdsourced lead accumulation platforms. Managed approximately 3 million users' traffic within a week.
- **InstaDaily**: Introduced an AI-based tool to enhance Instagram browsing efficiency. By fetching the top posts of a hashtag, it reduces scrolling time and enables users to save posts to local storage using voice commands.
- **Sort It Out!**: Engineered an OCR-powered physical smart conveyor model that eliminates the need for manual labor in the supply chain. This system intelligently guides boxes to their respective destinations, incorporating Python, Arduino programming, and basic IoT.
- **Ana**: Developed an intelligent AI-based assistant named Ana, leveraging Python and OpenCV's TF Pose. Ana monitors workout sessions, providing audio alerts when incorrect posture is detected.
- **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.

PUBLISHED WORKS

- 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.