

VINEET SHARMA

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Objective: -

Aspiring to join a forward-thinking organization, collaborating with dedicated professionals in a challenging role. I aim to leverage my skills and expertise to drive innovation, contribute to the organization's success, and continually enhance my knowledge in the field of technology and software development

Education Qualification: -

- Pursuing Postgraduate Diploma in Software Engineering Technology in Artificial Intelligence
- Batchelor of Technology in Computer Science from UIET Hoshiarpur, Panjab University.
- Intermediate form Govt. Model SR SEC School Sector 33 Chandigarh (CBSE).
- High School from Govt. Model SR SEC School Sector 33 Chandigarh (CBSE).

Certificate: -

- 10+ certificates from various organizations in Machine Learning, Python Development, Artificial Intelligence, Data Analytics, Data Science and Computer Vision.
- Certificate of six-month internship in Data Science from SVANS Technologies, Haridwar.
- Certificate of two-month internship in PHP Laravel Development from SVANS Technologies, Haridwar.

Experience: -

- Working as a Co-founder and AI-ML Engineer at Code University.
- Worked as a Software Engineer – Artificial Intelligence in Code Brew Labs private limited.
- Worked as an Artificial Intelligence and Machine Learning trainer at Xebia Academy Global from September 2022 to August 2023.
- Worked as a Machine Learning Engineer in Research and Development team at PCL Health, London from December 2021 to November 2022.
- Worked as a Data Science Intern at SVANS Technologies Pvt Ltd. From June 2021 to December 2021.
- Worked as a PHP Laravel Developer in SVANS Technologies Pvt Ltd. From June 2020 to July 2020

Conference/Seminars: -

- Research Paper entitles “**Cost Computation of E-Waste in Accordance with Presented Material to Capitalize on Artificial Intelligence**” presented in “**EWMC&O-2022 (Two Days National Conference2022)**” at Gurukul Kangri Vishwavidyalaya, Haridwar held on 24th -25th April 2022.

Technical Skills: -

- Framework/Platform: - TensorFlow, PyCharm, Anaconda (Jupyter, Spyder), Google Collab, VS Code, Laravel, React, Flask, Django, FastAPI.
- Languages: - Python, C, C++, PHP(Basics).
- Databases: - MySQL

- Data Visualization and Analytics Tools: - Tableau (Basic), Microsoft Power BI (Basic), Python.
- Web Development: - HTML, CSS, SCSS, JavaScript, PHP.
- CMS: - WordPress.
- Designing Tools: - Canva, Adobe Photoshop, Adobe Illustrator.
- Working Knowledge of Machine Learning, Data Science, Digital Image Processing, Data Mining, Data Pre-processing, OpenCV, Deep Learning, Natural Language Processing, Reinforcement Learning.
- Working Knowledge of YOLO and Darknet, frameworks for object detection and localization.
- Working Knowledge of Microsoft Azure and GitHub for Model Deployment.
- Working Knowledge of Jira and Trello for Project Management
- Working Knowledge of cPanel hosting.
- Excellent documentation skills and working experience in maintaining paperwork like project writing and PPT presentation.

Ongoing/Completed Projects: -

1. Remote Photoplethysmography (RPPG) for Contactless Vital Monitoring

Description: Collaborated with a research team as a Machine Learning Engineer to develop a contactless vital monitoring system using a front camera (Selfie) on mobile devices. Utilized Python and various libraries to implement the project. The process involved facial recognition, Non-Max Suppression, facial landmark detection, and post-processing techniques, including Fast Fourier Transform (FFT), to extract vital parameters such as BPM, Respiration, and HRV.

Role & Responsibility: - Machine Learning Engineer.

Tools & Technology Used: - Colab pro, OpenCV, NMSM, Facial Landmark Model, Artificial Intelligence, Machine Learning, Convolutional Neural Network, Python, TensorFlow, Keras, Anaconda.

2. OCR for Extraction of Vital Signs from Healthcare Monitoring Devices

Description: Collaborated as a Machine Learning Engineer with a senior research analyst to develop an Optical Character Recognition (OCR) system for extracting vital signs from healthcare monitoring devices. My responsibilities included devising the project methodology and developing specific components. We created a large dataset for classifying seven-segment display digits (0 to 9) and implemented an OpenCV algorithm for extracting vital regions.

Roles & Responsibility: - Machine Learning Engineer

Tools & Technology Used: - Colab pro, OpenCV, YOLO, Darknet, Machine Learning, Convolutional Neural Network, Image classification model, python, TensorFlow, Keras.

3. E-waste Management using AI

Description: Solely developed a computational model based on Artificial Intelligence to predict E-waste prices from image inputs. Created a dataset of over 5000 images with descriptions sourced from the E-waste recycling market in India. Implemented a classification model to detect E-waste categories and performed mathematical calculations to predict material-related prices from the images.

Roles & Responsibility: - Independent development under the guidance of Mr. Amrish Thakur, Young Scientist Awardee.

Tools and Technology Used: - Python, Convolutional Neural Networks, Open CV, Image processing, Data mining, TensorFlow, Keras, Anaconda.

Achievements: -

- **Patent:** Published a patent titled "SYSTEM AND METHOD FOR REMOTE MONITORING OF HEALTH DEVICES."
- **Best Paper Presentation:** Awarded Best Paper Presentation at the "EWMCO-2022 (Two Days National Conference-2022)" at Gurukul Kangri Vishwavidyalaya, Haridwar, on April 24th and 25th, 2022.
- **Workshops and Training:**

- Conducted a 2-day workshop on Deep Neural Networks and Architectures at Manav Rachna University.
- Delivered over 50 training sessions on AI-ML at Quantum University.
- Conducted more than 30 hands-on sessions on AI-ML at Code University.
- Conducted 14 hands-on sessions in a one-month workshop on C++ Basics at Code University.

Strengths: -

- Adaptable to any situation
- Attention in Detail
- Team Management
- Creative Thinker
- Collaborative
- Always ready to take challenges and result oriented
- Time Management

Personal Details: -

- Date of birth : 24th Feb 2001
- Marital Status : Unmarried
- Known Language : Hindi, English and Punjabi
- Hobbies : Basketball, Badminton, Adventure, Poetry, Listening music

Declaration: -

I hereby declare that the above information furnished is true to the best of my knowledge and belief.

Date:

Name

Place:

Vineet Sharma