SHASHANK VERMA

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Seth Vishambhar Nath institute of engineering & technology
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ABOUT ME

As a biotechnology engineering graduate with a strong foundation in computational biotechnology, I have successfully transitioned into the field of artificial intelligence (AI) to drive meaningful advancements in healthcare and beyond. My expertise spans generative AI, data analysis, image processing, reinforcement learning, and recommendation systems, enabling me to tackle complex data challenges with a solution-oriented approach. I am passionate about harnessing AI to address real-world problems, particularly in improving diagnostic tools, personalized medicine, and treatment strategies. My ability to synthesize biological insights with cutting-edge AI technologies allows me to contribute to innovative solutions that enhance patient outcomes. Committed to pioneering new possibilities through impactful research and development, I continuously seek opportunities to collaborate with interdisciplinary teams and advance the frontiers of technology in both AI and biotechnology.

EDUCATION

Degree:
B. TECH (BIOTECHNOLOGY),
Seth Vishambhar Nath institute of engineering & technology (**2020-2024**) with **7.0 GPA**

Qualification:

12th passed from U.P Board with 7.66 CGPA.

10th passed from C.B.S.C Board with 6.26 CGPA.

Relevant coursework: Molecular Biology, Cell Biology, Biochemistry, Genetics, Microbiology, Immunology, Biostatistics, Bioprocessing, Bioinformatics, and Biotechnology Laboratory Techniques.

Coursera Certifications:

- Supervised Machine Learning: Regression and Classification offered by STANFORD UNIVERSITY & DEEPLEARNING AI by Professor Andrew Ng , Geoff Ladwig , Aarti Bagul

- Advanced Learning Algorithms offered by STANFORD UNIVERSITY & DEEPLEARNING AI by Professor Andrew Ng , Geoff Ladwig , Aarti Bagul

- Unsupervised Learning, Recommenders, Reinforcement Learning offered by STANFORD UNIVERSITY & DEEPLEARNING AI by Professor Andrew Ng , Geoff Ladwig , Aarti Bagul

- Artificial Intelligence on Microsoft Azure

- Microsoft Azure Machine learning

TECHNICAL SKILLS

Programming Languages - proficient: Python, Basic: C, C++ & HTML
Deep Learning Frameworks- PyTorch, Tensorflow
Libraries - OpenCV, NumPy, Pandas, SKLearn, matplotlib, scikit-image, Mlflow …
Object Detection - YOLO, OpenCV
Core Competencies - Machine learning, Computer Vision, Deep Learning, Image processing, GAN (Generative Adversarial Networks)

CREATIVE SKILLS

Adobe premiere pro – proficient: Color grading, Blending, Motion tracking, Audio Sync
Adobe After Effects – proficient: text animation, Masking, Logo animation, Audio spectrum
Adobe Audition – proficient: audio reverb, lo-fi music, 3d sound, Remixing
Adobe illustrator –Basic: Logo designing and then animating in After effects.
FL studio – Basic: voice modulation, remixing audio, voice changer, audio editing

Other Skills-

- Proficient in laboratory techniques such as PCR, gel electrophoresis, DNA extraction, ELISA, cell culture, and protein purification.

- Strong written and verbal communication skills, experience working in a team and excellent time management and organizational skills independently.
- Advanced SAP security & basis module knowledge.

INTERNSHIP & PROJECTS

- Done laboratory training of 1 Month from IIT GANDHINAGAR (Gujrat) on Understanding the Molecular Basis of Pollination in Brassica plant
- Understanding the molecular basis of pollination in Brassica plant
- Worked on pymol software for understanding protein folding structures.
- Studied evolutionary relationship between sequences using MSA tool.
- GenTox (Research & Development) 1 Month training on Study on Advance Microbiology and Molecular Biology Techniques.