

ARYAN SONI

Saharanpur, Uttar Pradesh

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EDUCATION

VIT Bhopal University

B.Tech Computer Science and Engineering

September 2022 - Ongoing

CGPA: 8.05/10

Central Board of Secondary Education

May 2022

Senior Secondary Education

Percentage: 82%

Central Board of Secondary Education

May 2020

Secondary Education

Percentage: 80%

TECHNICAL SKILLS

- **Languages:** C++, Python.
- **Web Technologies:** HTML, CSS, ReactJs, NodeJs, NEXTJs, Tailwind CSS.
- **Databases:** MySQL, MongoDB.
- **Tools & Frameworks:** Pytorch, OpenCV, Statistical Data Analysis using Python.
- **Cloud Platforms:** AWS, Google Cloud Platform.

EXPERIENCE

Software Developer Intern

Nov 2023 - Jan 2024

Rex Industries, India

- **Developed and integrated** software components using **Robot Operating System (ROS)**, enhancing system interoperability and functionality.
- **Optimized** operational workflows using SQL and Python, reducing data retrieval time by 30% and enhancing network performance by 25%.
- **Designed** AI/ML algorithms that increased automation efficiency by 40%, leading to faster decision-making and improved system accuracy.
- **Led** software development efforts for cutting-edge **AI robotics initiatives**, ensuring robust and scalable solutions.

PROJECTS

TrustWave AI – A Deepfake Detection System

- Developer Team member for AI based development project. Develop cutting-edge Deepfake Detection System, leveraging advanced machine learning techniques and AI algorithms to identify and mitigate synthetic media manipulation in real-time. Ensured data integrity and trustworthiness through the creation of robust detection mechanisms.
- Tools used: Python, TensorFlow, Keras, Computer Vision, scikit-learn, Django, Google Cloud Platform.
- Role: Machine Learning Engineer

Deep Learning Based Sign Language Recognition for Devanagari (Hast-Akshar)

- Team member for AI based gesture recognition project. Developed Hast-Akshar, a real time Devanagari sign language system using deep learning and computer vision, with custom dataset and CNN models for accurate classification.
- Tools used: Python, PyTorch, OpenCV, FastAPI, React, MongoDB, Google Cloud Platform
- Machine Learning Computer Vision Engineer

EXTRA-CURRICULAR AND ACHIEVEMENTS

Achievements: Ranked top 3% of 150,000+ participants globally in a Kaggle Machine Learning Challenge, outperforming professionals worldwide.

Open-source contribution: Hacktoberfest'24(5+ PR Merged), Social Winter of Code'25, Contributed in GSSoC'24.

Responsibilities: Led VIT Bhopal's Eureka Club as President, Strengthened IoT Club as Technical Team Lead, Strengthened Null Chapter VIT Bhopal as Social Media Team Lead.

CERTIFICATIONS

- OCI Generative AI Professional (By Oracle) - July 2024.
- Oracle Cloud Infrastructure Foundation Associate (By Oracle) – April 2024.
- JPMorgan-Software Engineering Job Simulation (By Forage) - July 2024.
- Skyscanner-Frontend Software Engineering Job Simulation (By Forage) - February 2024.
- Walmart USA-Advance Software Engineering Job Simulation (By Forage) - February 2024.

ADDITIONAL INFORMATION

Languages: English, Hindi, Punjabi, Russian, Japanese.

Hobbies: Reading Books, Writing, Problem-Solving, Building Machine Learning Models.