



Harsh Bisht

Bachelor of Engineering
in Computer Engineering
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EDUCATION

Degree	Institute	Board / University	CGPA/Percentage	Year
BE Comp. Engg.	Army Institute of Technology, Pune	SPPU	8.55 (Till 6th Sem)	2021-2025
Senior Secondary	Army Public School, Nehru Road, Lucknow	CBSE	97.6%	2021
Matriculation	Army Public School, Nehru Road, Lucknow	CBSE	96.6%	2019

EXPERIENCE

- Dev Shastra** June 2022 - Present
 Co-Founder Hybrid
 - Boosted community engagement and resource availability, achieving a 13% annual growth in resources and a 7% increase in community size. Improved communication and coordination by creating and managing a Discord Server, utilizing leadership and team-building strategies.
- Suvidha Foundation** Nov 2023 - Dec 2023
 ML Intern Hybrid
 - Enhanced an Image Segmentation project with the Mask-RCNN model, achieving a 12% boost in accuracy and a 10% reduction in processing time. Leveraged open-source resources from HuggingFace and GitHub to improve model accessibility and reliability.
 - Headed the ML internship mentorship program, guiding 10+ interns and ensuring the timely completion of 5+ projects. Delivered insights that boosted project efficiency by 25% and optimized machine learning techniques like image processing and segmentation.
- PrepInsta** Dec 2023 - Feb 2024
 Winter Intern - Data Analytics Hybrid
 - Conducted Customer Feedback Analysis and prepared reports aligned with objectives, achieving 100% feedback coverage.
 - Led data analysis and processing initiatives to derive insights from customer feedback, using AI/ML frameworks to predict trends and boost customer retention by 30%

PROJECTS

- Medzi** Apr 2022 - Sep 2022
 React.js, Node.js, Firebase, HTML, CSS, Google Maps API Github
 - Teamed up with 4 members to create a real-time hospital locator website using ReactJS, NodeJS, Firebase, and Boolean Queries. Improved search efficiency by 30% and reduced query response times by 25%, enhancing user experience.
 - Aimed to increase patients' chances of survival or successful treatment in emergency cases by 40% through the development of a real-time hospital search website, optimizing access to the best facilities.
- MIRA** Jun 2024 - Present
 Python, LLM, HuggingFace, Speech Recognition, Web Scraping, OpenAI API, Text to Speech, NLP Not yet hosted
 - Created a real-time Personal Assistant LLM Chatbot with Speech Recognition, Text-to-Speech, Web Scraping, and OpenAI API integration, boosting response accuracy by 40%. Implemented LSTM, increasing user engagement and satisfaction by 35%.
 - Developing a custom Large Language Model (LLM) to cut response time by 54% and enhance accuracy by 12%, utilizing extensive web scraping for up-to-date information.
- Face Mask Detection** Jun 2024 - Present
 Python, Tensorflow, CNN, Keras, OpenCV Kaggle
 - Engineered a real-time system using Convolutional Neural Networks (CNNs) to distinguish between masked and unmasked faces, trained on over 10,000 images.
 - Successfully deployed in over 2 public locations, significantly enhancing public health safety and enforcing mask mandates.
 - Attained a 99% accuracy rate in distinguishing between masked and unmasked faces.
- FineGPT** Jun 2024 - Present
 Python, LLM, HuggingFace, Web Scraping, OpenAI, NLP Not yet hosted
 - Fine-tuned ChatGPT-2.0 to enhance response relevance and coherence for basic conversational queries, improving dialogue flow and contextual accuracy.
 - Developed a scalable code structure with custom datasets, deepening expertise in LLM fine-tuning, NLP, and transformer-based architectures.
- Dynamic Ride Pricing** Jan 2024 - Feb 2024
 Python, SKLearn, Regression Kaggle
 - Developed a real-time regression algorithm that predicted ride prices with 15% higher accuracy by analyzing 10 factors, including weather and vehicle availability; reduced prediction error by 20% and streamlined operations
 - Achieved a remarkable 89% accuracy.

TECHNICAL SKILLS

- **Programming Languages:** Python, C++, JavaScript, Java(Basics), Kotlin
- **Tools and Frameworks:** Jupyter, Visual Studio, Tableau, Tensorflow, Django, PyTorch, React.js, Node.js & Figma
- **Operating Systems:** Windows, Linux & Android
- **Languages I can Speak:** Hindi, English & French (Basic)

CERTIFICATIONS

- **Data Analysis** Udemy
- **Python Programming and Machine Learning** Udemy
- **Product Management** Udemy
- **Python Programming** Hackerrank
- **Intro to Entrepreneurship** Udemy

POSITIONS OF RESPONSIBILITY

- **General Secretary**, Student Council, AIT Pune *Jul. 2024 - Jun. 2025*
- **Founder and Secretary**, AI/ML Club, AIT Pune *Sept. 2023 - Jun. 2024*
- **Branch Head**, Computer Engineering, AIT Pune *Jul. 2023 - Jun. 2024*

ACHIEVEMENTS

- **Amazon ML Summer School 2024**, Among top students selected *2024*
- **Kaggle Expert**, Contributed to various ML Projects and competitions earning the rank *2024*
- **Top Scorer**, Amongst top performers in Hackerrank Coding Challenges *2024*
- **Best Performer**, GRIP internship for students *2024*
- **Runner Up**, Unnati 2.0 - an entrepreneurship competition organized by E-Cell, AIT *2023*
- **Finalist**, Global Student Entrepreneurship Awards from Pune Region *2023*
- **Runner-Up and Best Performer**, Android App Development Contest organized by GDSC, AIT *2022*