

# ARYAN CHAUHAN

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## OBJECTIVE

Visionary Data Scientist with a proven track record of converting 15+ leads into proficient outputs. Strong foundation in deep learning, Java programming, and end-to-end product development of AI models. Skilled in mathematics, neural network architectures, machine learning, and deep learning, having built and deployed 10+ advanced AI systems from scratch. With a demonstrated ability to turn AI innovations into impactful real-world solutions, I'm eager to contribute cutting-edge AI products in a forward-thinking role to tackle complex challenges.

## EDUCATION

<b>MIT World Peace University, Pune, India</b> B-Tech in Electronics & Communication Engineering - Artificial Intelligence & Machine Learning (CGPA 8.04/10)	<b>June 2026</b>
<b>Arham Junior College, India</b> Secured 76.5% in Higher Secondary Certificate Examination (HSC Board)	<b>June 2022</b>
<b>Symbiosis Primary and Secondary School, India</b> Secured 83.20% in Class 10 <sup>th</sup> examination (SSC Board)	<b>Feb 2020</b>

## EXPERIENCE

<b>Rancho labs, Delhi</b> <i>Technical and Instructor Lead (3 months)</i> <ul style="list-style-type: none"><li>Managing the entire development of 5+ ML courses and led a team of 8 instructors. Created the infrastructure for backend support which is now used by 100+ students and instructors, improving the course delivery efficiency by 30%.</li></ul>	<b>Remote, India</b> <b>April 2025 – June 2025</b>
<b>Deep Learning and AI Team, Innovators Hub, Pune</b> <i>Team Lead (Since 9months)</i> <ul style="list-style-type: none"><li>Leading a team of 10 delivering 30+ different neural networks curated for every client driving innovation which boosted productivity by 25% and reduced project delivery by 20% leaving a lasting impact on team and field.</li></ul>	<b>Pune, India</b> <b>Aug 2024 – Present 2025</b>

## PROJECTS

<b>Aircraft Fault Detection System, Pune</b> <ul style="list-style-type: none"><li>By analyzing historical sensor data and the maintenance logs, I created an LSTM Neural Network to predict mechanical faults in engines before they occur improving safety and reducing downtime tremendously.</li></ul>	<b>Jan 2025 - April 2025</b>
<b>Cabin Sound Anomaly Detection, Pune</b> <ul style="list-style-type: none"><li>Analyzed cabin audio by converting it into a spectrogram and trained an Autoencoder Neural Network to learn the patterns of normal aircraft sounds. This approach achieved a solid 96% anomaly detection accuracy.</li></ul>	<b>Dec 2024 – Mar 2025</b>
<b>MonuSenseAI- Real-Time Historical Monument Explainer, Pune</b> <ul style="list-style-type: none"><li>Created a product that consists of a camera hooked on your T-Shirt linked to earphones that captures real-time data of historical monuments visually and provides explanations through audio earphones. A SLM was created to process visual information, recognize the monument and generate factually correct information.</li></ul>	<b>Jul 2024 - Aug 2024</b>
<b>MelodyGenAI – A Neural Network based Music Composer, Pune</b> <ul style="list-style-type: none"><li>Successfully developed an impactful end-to-end GenAI product that generates complete music sheets from melody alone. This innovation was adopted by 4 local college bands, significantly boosting their creativity and enabling the composition of over 23 new music pieces. (<a href="#">Live Demo</a>)</li></ul>	<b>Sep 2023 - Jan 2024</b>

## SKILLS & LANGUAGE PROFICIENCY

- Technical Skills: Python, Machine Learning, TensorFlow, Keras, PyTorch, C++, Java, HTML, Streamlit, Firebase, Deep Learning, Artificial Intelligence (AI), Computer Vision, Natural Language Processing (NLP), Neural Networks, Autoencoders, Transformers, LSTMs, Model Fine-Tuning, GPU/CPU Optimization, Parallelization.
- Soft Skills: Leadership, Management, Public Speaking, Effective Communication, Public Relations
- Software Proficiency: WS Cloud, Google Cloud Platform (GCP), VS Code, Streamlit, Firebase Console, TensorFlow, Keras, PyTorch, OpenCV, Jupyter Notebook, Google Collab, GitHub, Java IDEs (Eclipse/IntelliJ), HTML Editors, Anaconda, CUDA Toolkit for GPU Acceleration.

## ACCOMPLISHMENTS

- IITWorkathon 2024:** Secured an All-India Rank 8 along with runner up position in
- HACK MITWPU Hackathon 2023–** Secured 2 position in the Workathon Track.
- Smart India Hackathon 2022 Finalist –** Created product for Bajaj FinServ to check legal insurance documents using CNNs and DL Frameworks.

## EXTRA CURRICULAR ACTIVITIES

- Distinction in Piano Grade 8 - Trinity College of London for Music
- State Level Basketball Player