



Arshad Khatib
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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech - AI	National Institute of Technology, Surat	8.00 (Current)	2024-Present
Higher Secondary	HSC Board	83%	2024
Secondary	SSC Board	94%	2022

PROJECTS

- **Trendora**
Web Wonders - Conducted by Nexus, NIT Surat

July. 2025 - Aug. 2025
[Website](#) | [Github](#)

– Tech Stack: **Next.js**, **Tailwind CSS**, **Firebase**, **Vercel**, **Razorpay**, **Shiprocket**, **LangChain**, **Gemini 2.5 Flash** and **Leffa ML**

– Developed **StyleSphere**, a social hub for sharing looks, scrolling reels (FashionTV-style), and joining live streams.

– Built an e-commerce **Marketplace** with smart search, **Razorpay** checkout, and real-time **Shiprocket** shipping integration.

– Integrated the **Zyra AI Chatbot** (powered by **LangChain** + **Gemini 2.5 Flash**) for personalized styling tips.

– Deployed an ML-powered **Virtual Try-On** feature using **Leffa ML** for realistic outfit trials.
- **WaveGuard: AI-Powered Disaster Prediction System**
HackOut 2025 - Conducted by DAIICT, Gandhinagar

Aug. 2025
[Presentation](#) | [Github](#)

– Tech Stack: **Python**, **FastAPI**, **Scikit-learn**, **Next.js**, **TypeScript**, **Firebase**, **Vercel** and **Tailwind CSS**

– Developed a full-stack disaster prediction system with a **Python** backend serving **Scikit-learn** models via a **FastAPI**.

– Engineered key predictive features from raw USGS seismic data (e.g., magnitude, depth, location) to accurately classify tsunami risks in near real-time.

– Integrated **Firebase Authentication** for secure user management, enabling personalized features like saved location monitoring and custom alert preferences.
- **Biodegradable Material Classification**
Makernova - Drishti (Robotics club), NIT Surat

Aug 2025 - Sept 2025
[Documentation](#) | [Github](#)

– Tech Stack: **TensorFlow**, **Keras**, **OpenCV** and **Python**

– Led a team of developers in designing a **CNN** based classification model to classify different kinds of materials into Biodegradable and Non-Biodegradable classes.

– Developed a Deep Learning architecture integrating **CNN** for feature extraction.

– Integrated the model into hardware using a **Raspberry Pi** and **OpenCV** for direct detection through a webcam.
- **Hybrid Ensemble for Astrophysical Document Classification**
TRACS @ WASP 2025 (Shared Task) | Team - Clutch or Cry

Sept 2025 - Oct 2025
[Paper \(Under Review\)](#) | [Leaderboard](#) | [WASP](#)

– Participated in the NLP challenge organized by [IJCNLP-AACL](#)

– Tech Stack: **Python**, **PyTorch**, **astroBERT**, **XGBoost**, **Scikit-learn**

– Achieved **4th Place** on the competition leaderboard for multi-label classification of scientific documents.

– Co-authored a research paper (under review) detailing our **hybrid stacking ensemble** model.

ACHIEVEMENTS

- **Winner Web Wonders 2025**,Secured **1st rank** in Web Wonders 2025 under Fashion Theme

2025
- **ACM Summer Challenge 2025**,**Finalist** in the Summer challenge conducted by ACM NIT Surat

2025
- **Best Actor and Best Play Rangmanch 2025**,Won the Best Actor as well as Best play in **Rangmanch** organized by Kirdaar CHRD, showcasing Exceptional speaking, Writing and Direction abilities

2025

TECHNICAL SKILLS

- **Computer Languages:** Python, C/C++, HTML, CSS, Javascript, SQL
- **Software Packages and Frameworks:** PyTorch, TensorFlow, Keras, Scikit-Learn, OpenCV*, Django, FastAPI, ReactJS, NextJS, Tailwind CSS, Git
- **Services and Platforms:** Firebase, Google Cloud Platform*

* Elementary proficiency

POSITIONS OF RESPONSIBILITY

- **Junior Developer**, Google Developer Group on Campus, NIT Surat

Oct. 2025 - Present
- **Member**, Drishti - Robotics Club, NIT Surat

Sept. 2025 - Present
- **Executive**, Association for Computing Machinery, NIT Surat

Sept. 2025 - Present
- **Representative**, Nexus - DoCSE and DoAI Cell, NIT Surat

Aug. 2025 - Present
- **Member**, Kirdaar (CHRD) - Acting and Dramatics Club, NIT Surat

Aug. 2025 - Present