



Arshad Khatib  
B.Tech - Artificial Intelligence  
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Portfolio | LinkedIn | Github  
Codeforces | LeetCode

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

RESEARCH EXPERIENCE

- **Hybrid Ensemble for Astrophysical Document Classification**  
TRACS @ WASP 2025 (Shared Task) | Team - Clutch or Cry
  - Tech Stack: **Python, PyTorch, astroBERT, XGBoost, Scikit-learn**
  - Achieved **4th Place** on the official Kaggle leaderboard for the TRACS @ WASP 2025 multi-label classification shared task, organized by **IJCNLP-AAACL**.
  - Co-authored a research paper (**Accepted at WASP 2025**) detailing our **hybrid stacking ensemble** architecture, designed to classify telescope roles in scientific literature.
  - Engineered a two-level model fusing a domain-adapted **astroBERT** (for semantic context) with a rule-based keyword classifier (for symbolic matching).
  - Developed a per-role optimization strategy using four independent **XGBoost** meta-learners to successfully mitigate severe class imbalance.
- Sept 2025 - Oct 2025  
Paper (Accepted) | Leaderboard | WASP

PROJECTS

- **Biodegradable Material Classification**  
Makernova - Drishti (Robotics club), NIT Surat
  - Tech Stack: **TensorFlow, Keras, OpenCV** and **Python**
  - Led a team of developers to design a **CNN** model to autonomously classify materials as Biodegradable or Non-Biodegradable.
  - Designed and trained a deep **CNN** architecture for feature extraction and high-accuracy material identification.
  - Deployed the model on a **Raspberry Pi** using **OpenCV** to perform real-time classification from a live webcam feed.
- Aug 2025 - Sept 2025  
Documentation | Github
- **Trendora (1st Place Winner)**  
Web Wonders - Conducted by Nexus, NIT Surat
  - 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.
- July. 2025 - Aug. 2025  
Website | Github

ACHIEVEMENTS

- **Top 5 in TRACS @ WASP 2025**, Secured **4th rank** on official Kaggle Leaderboard of TRACS @ WASP 2025
  - **Winner, Web Wonders 2025**, Secured **1st rank** in Web Wonders 2025 (Fashion Theme) for the 'Trendora' project.
  - **Finalist, ACM Summer Challenge 2025**, Finalist in the competitive summer challenge conducted by ACM NIT Surat
  - **Best Actor & Best Play, Rangmanch 2025**, Won 'Best Actor' and 'Best Play' in **Rangmanch**, organized by Kirdaar CHRD.
- 2025202520252025

TECHNICAL SKILLS

- **Languages:** Python, C/C++, SQL, JavaScript, HTML/CSS
  - **Frameworks & Libraries:** PyTorch, TensorFlow, Scikit-Learn, Keras, OpenCV\*, Next.js, ReactJS, FastAPI, Django, Tailwind CSS
  - **Platforms & Tools:** Git, GitHub, Firebase, Vercel, AWS, Google Cloud Platform\*
- \* Elementary proficiency

POSITIONS OF RESPONSIBILITY

- **Junior Developer**, Google Developer Group on Campus, NIT Surat
  - **Member**, Drishti - Robotics Club, NIT Surat
  - **Executive**, Association for Computing Machinery, NIT Surat
  - **Representative**, Nexus - DoCSE and DoAI Cell, NIT Surat
  - **Member**, Kirdaar (CHRD) - Acting and Dramatics Club, NIT Surat
- Oct. 2025 - Present  
Sept. 2025 - Present  
Sept. 2025 - Present  
Aug. 2025 - Present  
Jan. 2025 - Present