Arshad Khatib

B.Tech - Artificial Intelligence
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Github | LinkedIn | 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

PROJECTS

- **Trendora** *July. 2025 - Aug. 2025*
  Web Wonders - Conducted by Nexus, NIT Surat 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.
  – Implemented **Avataraa**, a 3D avatar builder using **Ready Player API** with custom poses and .glb file export.
  – 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.
  – Made content modules including a **Consultation Hub**, blogs, and **gamified quizzes** with leaderboards and coupon rewards.
  – Designed comprehensive **Dashboards** for admin, merchant, and designer panels to ensure seamless platform control.

- **WaveGuard: AI-Powered Disaster Prediction System** *Aug. 2025 - Aug. 2025*
  HackOut 2025 - Conducted by DAIICT, Gandhinagar 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.
  – Built a responsive and interactive dashboard using **Next.js**, featuring a world map to visualize real-time disaster alerts.
  – Integrated **Firebase Authentication** for secure user management, enabling personalized features like saved location monitoring and custom alert preferences.

- **Biodegradable Material Classification** *Aug 2025 - Sept 2025*
  Makernova - Drishti (Robotics club), NIT Surat 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.

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**: Django, FastAPI, PyTorch, TensorFlow, Keras, Scikit-Learn, OpenCV*, 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*