

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech., AI	National Institute of Technology, Surat	8.07(Current)	2023-Present
Higher Secondary	CBSE Board	87.00%	2023
Secondary	CBSE Board	91.00%	2021

EXPERIENCE

- Centre for Development of Advanced Computing

May 2024 - June 2024

Cybersecurity InternRemote

◦ Configured a robust **DNS (Domain Name System)** server to efficiently resolve domain names, enhancing network performance and reliability.

◦ Simulated and mitigated critical DNS attacks, including **DNS spoofing, cache poisoning, and DDoS attacks**, strengthening system resilience against cyber threats.

◦ Documented comprehensive findings and solutions in a detailed [report](#) for internal and educational use.
- PROJECTS
- Biodegradable Material Classifier

September 2024

Makernova, Drishti, NIT Surat

[GitHub](#)

◦ Developed a biodegradable material classification system using **CNN** and **VGG16**, achieving **90% accuracy**.

◦ Deployed the solution on a **Raspberry Pi 4** integrated with an **IR sensor, servo motor, and webcam** for real-time sorting of materials.

◦ Coordinated work distribution and managed project timeline to ensure timely delivery

◦ Technologies: **Python,Keras, TensorFlow, scikit-learn,Open CV**

• Crawlers: Forestry Exploration and Environmental Awareness Website

Jul. 2024 - Aug. 2024

Winner, Web Wonders - 2024, Nexus NIT Surat

[Website](#) | [GitHub](#)

◦ Co-developed **Crawlers**, an interactive web platform dedicated to forestry exploration and promoting environmental awareness, utilizing **HTML, CSS, JavaScript, and MongoDB** for robust data handling.

◦ Created a **user-centric interface** offering seamless navigation across devices, ensuring accessibility and user engagement through features like dynamic blogs, virtual world tours, and multimedia galleries.

◦ Implemented **Tree-Planting Requests** to support eco-conscious actions, and a **Job Application Portal** connecting users with forestry and environmental conservation roles.

◦ Deployed on **Vercel** for high availability with **99.9% uptime** and ensuring scalability for increased traffic.

TECHNICAL SKILLS

• **Computer Languages**: Python, C, C++, HTML5, CSS, Javascript, MySQL

• **Libraries and Frameworks**: scikit-learn, PyTorch, TensorFlow, Keras, OpenCV, ReactJS, NodeJs, Tailwind CSS, GitHub

ACHIEVEMENTS

• [Winner - Web Wonders](#): 1st place among **40+** teams for excellence in innovative web development solutions.

• Achieved a maximum **CodeForces rating of 1033**, demonstrating competitive programming skills.

• Solved **140+** LeetCode problems, ranking 365,596 among 622,576 users globally.

• Completed Google Cloud Study Jam, gaining hands-on experience in cloud computing with services like Compute Engine, BigQuery, and Cloud Functions.

POSITIONS OF RESPONSIBILITY

• Junior Developer, Google Developer Student Clubs, NIT Surat

Nov. 2024 - Present

• Executive, Association for Computing Machinery, NIT Surat (Coding Club)

Aug. 2024 - Present

• Member, Drishti, NIT Surat (AI/ML, Robotics Club)

Oct. 2024 - Present