

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Lovely Professional University, Phagwara	8.00 (Current)	2022-Present
B.Tech. Minor	Lovely Professional University, Phagwara	(Current)	2024-Present
Senior Secondary	CBSE Board	89.8%	2021
Secondary	CBSE Board	72%	2019

PROJECTS

- **AI-powered Vehicle Detection and Management System (YOLOv8n-Model)**

Independently executed team project for competition at IIT Bombay(Team-EZPARKADE)

– Features:

* Developed a real-time vehicle detection model using YOLOv8n for parking zone monitoring

* Achieved 70% accuracy on test dataset, significantly outperforming existing solutions.

* Implemented an alert system using Fast2SMS API to notify vehicle owners about wrong parking.

– Project also aimed to develop an online parking booking website

– Language Used: Python

– Database Used: PostgreSQL with supabase

Dec. 2023 - Present

bit.ly/424ucyD

• **Diabetic Retinopathy Detection using Deep Learning**

Road to Intern Fair

– Features:

* Development of a specialized Convolutional Neural Network (CNN) architecture

* Implementation of advanced image processing techniques with comprehensive pipeline for data preprocessing, model training, and evaluation.

– Languages Used: Python (TensorFlow, Keras) for CNN development.

Mar. 2024 - Apr. 2024

bit.ly/3TPeIel

• **Desktop App UI Design**

Road to Intern Fair

– Features:

* Created a comprehensive Desktop UI design in Figma, featuring distinct sections for home, music, gaming, and education

* Implemented user-friendly interfaces and interactive elements for seamless navigation

– Tool Used: Figma

Oct. 2022 - Jan. 2023
- SKILLS
- **Programming:** Python, Java

• **Tools:** Figma, Git, Github

• **Frameworks:** Tensorflow

• **Non Technical:** Ethical Decision-Making, Innovative, Resilience

* Elementary proficiency
- POSITIONS OF RESPONSIBILITY
- **Team Lead EZPARKADE:** Orchestrated the development and implementation of a vehicle detection model with my team
- ACHIEVEMENTS
- **Cerified by ISRO:** ISRO-certified in "Remote Sensing and GIS for Environmental Studies" at Summer School

• **HACKVERSE 2024 winner:** Hackathon Conducted by University
- EXTRACURRICULARS
- **Volunteered at Nivedeta Foundation:** Contributing to community development through educational initiatives, including teaching and mentoring students

• **Crowdfunding Intern at Muskurahat Foundation:** Spearheaded fundraising campaigns for underprivileged children