Disha Agrawal

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B.Tech - Computer Science and Engineering   agarwaldisha7616@gmail.com
Minor in Machine Learning   github.com/agarwaldisha7616
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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)**   *Dec. 2023 - Present*
  Independently executed team project for competition at IIT Bombay(Team-EZPARKADE)   bit.ly/424ucyD
  - 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

- **Diabetic Retinopathy Detection using Deep Learning**   *Mar. 2024 - Apr. 2024*
  Road to Intern Fair   bit.ly/3TPeIel
  - 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.

- **Desktop App UI Design**   *Oct. 2022 - Jan. 2023*
  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

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