

SHIVAM GUPTA

Undergraduate

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PROJECT

SIH'23 **CommuniSync** Nov '2023 – Dec '2023

Details	<ul style="list-style-type: none">Mobile App Deployment: Developed a user-friendly mobile app using NAVIC map API for real-time navigation, offering dynamic route suggestions, and Congestion control mechanism.Web Interface Design: Implemented a Figma-designed web interface showcasing our AI algorithm's ability to manage multi-routing and control traffic congestion and traffic signal handling.V2X Communication System: Established Vehicle-to-Everything communication, enabling seamless connectivity between vehicles, infrastructure, and commuters for efficient traffic updates and collaborative transportation solutions.
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Ezeiatech Inter (ML) **Audio Classification** Jan '2023 – Feb '23

Details	<ul style="list-style-type: none">Created and deep learning model to detect and classify speaker from and recorded audio file.Used MFCC to extract and audio features from mono audio file and make a mel-spectrogram from it to use as a feeder for the Convolutional Neural Network (CNN) model.
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Google Hackathon([Link](#)) **Early Detection of Diabetic Retinopathy** Sep '2023 – Oct '2023

Details	<ul style="list-style-type: none">Created a diabetic retinopathy detection web application with integration of Inception-ResNet_V2 for robust image analysis, using segmentation to conquer complex medical image processing.Overcame challenges in medical image processing and ML integration for precise predictions.
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Ihelp Platform Mar'2023 – Apr'2023

Details	<ul style="list-style-type: none">Created a platform that is transparent, reliable, and efficient to empower donors to support NGOs, and to help these organizations to have an even greater impact in the communities that they serve.Project link(here)Figma Prototype(here)
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INTERNSHIP

EZEIATECH SYSTEMS(ODOIO)

- Worked as a Machine Learning Intern on a project where we have to develop Call Insights with grading points.
- Proficient in stereo-to-mono conversion and voice feature extraction using Librosa and MFCC.
- Designed and trained RNN/LSTM for audio classification, CNN for image (Mel-spectrogram) classification enhancing project accuracy and efficiency, contributing to its success.
- Gained extensive knowledge of deep learning models, collaborated effectively within a multidisciplinary team of experts.

APPRENTICESHIP

METACRAFTERS

- Contributed to real-world blockchain projects, resulting in cost-efficient transactions and improved blockchain security
- Developed blockchain projects, optimized gas usage, deployed smart contracts, and integrated MetaMask wallets.
- Achievements: Enabled cost-efficient transactions and enhanced blockchain security on **Ethereum** chain.
- Proficiency: Solidity, JS, smart contracts, **Avalanche & Polygon chain**, FXbridge, ERC tokens, MetaMask integration.

ACADEMICS

Qualification	Institute	Board / University	% / CGPA	Year
BTech (CSE)	Chandigarh University	Chandigarh University	8.57/10	2023
XII	N.C Jindal Public School	CBSE	90.50%	2021
X	N.C Jindal Public School	CBSE	91.00%	2019

Publications	<ul style="list-style-type: none">Conducted research and published website for Online Crime Management and Public Services on IJCRT (IJCRT2306489)	2023
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Certifications	<ul style="list-style-type: none">Hackerrank Python	Nov'2021 – Present
	<ul style="list-style-type: none">Hackerrank MySQL	Nov'2021 – Present
	<ul style="list-style-type: none">Google UX Design Professional Certificate	Aug'2022 - Present
	<ul style="list-style-type: none">Building WireframesCreate High-Fidelity Design and Prototypes in FigmaInnovation Through Design	March'2022

CO-CURRICULAR & EXTRACURRICULAR ACTIVITIES

Achievements	<ul style="list-style-type: none">Finalist at SIH'23 at Smart India Hackathon	2023
	<ul style="list-style-type: none">Ranked 2nd at all India ELECTROTHON 5.0 by MLH & GitHub (NITH)	2023
	<ul style="list-style-type: none">Ranked 1st inter-university Hackathon by Google developer club and Devfolio.	2023
	<ul style="list-style-type: none">Academic Excellence Awards (CU)	2023
Skills	<ul style="list-style-type: none">Python, Java, Figma, UI/UX, Artificial Intelligence and Deep Learning, Front End Development, Flask, Tensorflow, NLP	
Interests / Hobbies	<ul style="list-style-type: none">Cooking, Stock Market, Investor,Swimming, Badminton, Cricket, Web Development, Robotics	
Languages	<ul style="list-style-type: none">EnglishHindi	