

PALLAV GUPTA

+91 6363899566 • pallavgupta.kumarans@gmail.com • <https://www.linkedin.com/in/gupta-pallav/> •
<https://github.com/Osigma101> • <https://www.kaggle.com/pallavgupta2611> • pallav.gupta2021@vitstudent.ac.in

SUMMARY

I am a highly motivated college student with a deep interest and proficiency in machine learning, deep learning, web development, and blockchain technologies. I am skilled in using advanced algorithms to solve complex problems and create valuable solutions. I take a meticulous and analytical approach to my work, and I excel in teamwork within large organizations. I am eager to leverage my expertise in machine learning, deep learning, blockchain, web development, and automation to promote innovation and make a significant impact in these fields while continuing to pursue my academic goals.

EDUCATION

B.Tech. Computer Science Engineering with spec. A.I. and M.L. Graduating Year August 2025
Vellore University, Vellore, Tamil Nadu 9.17 GPA

Vellore Institute of Technology

Relevant coursework: Machine Learning, Deep Learning, Artificial Intelligence, Database Systems, Data Structure, Designing Algorithms, Computer Networks, Operating System, Computer Architecture, BlockChain

Higher Secondary Education, CBSE Graduating Year August 2021
Sri Kumaran Children's Home, Bangalore 92.1%

Computer Science 96

Physics 95

Relevant coursework: Python, Django Development

Secondary Education, ICSE Graduating Year May 2019
Gnan Srishti School of Excellence, Bangalore 94.2%

Chemistry 99

Relevant coursework: Public Speaking,

TECHNICAL SKILLS

Data Analysis and Statistics: MATLAB, R Studio, Matplotlib, Seaborn, Plotly, Power BI, Tableau

Frameworks: Sklearn, NLTK, TensorFlow, Django, Keras, ReactJS, NodeJS, Tailwind, NextJS, Power Apps

Languages: Python, C, C++, Java, HTML, CSS, JavaScript, R, Markdown, Solidity, Assembly, TypeScript, SQL, NoSQL, JSON, Markdown

EXPERIENCE

Kartexa,

Data Science Intern & Team Lead Unnao, Uttar Pradesh, May 2023 – Aug 2023

- Created a recommendation model that can deliver food recommendations for present ingredients and Can also Suggest Recipes based on vitamin requirements.
- Developed data models and data flow documentation to enhance system architecture and data quality
- Developed a data ingestion process to automate the transfer of data from multiple sources into a single database, resulting in a reduction of manual data entry by 60%.

CADS Research Internship,

BlockChain Research Developer VIT, Chennai, Feb 2023 – Aug 2023

- Completed a blockchain implementation for a healthcare-related project that is undergoing publication under the supervision of Dr. Shoba S(Solidity, nodeJS)
- Got in touch with Mr. Kumar, an industrial expert on the blockchain.
- Did various security analyses and employed the Verifiable Credentials in the technology and presented a breakthrough

HMT Architects,

Web Development Intern and Search Engine Optimizer Chennai, Aug 2023 – Oct 2023

- completely revamped the website and significantly improved its ranking, moving it up to 10 in Chrome and 4 in Bing from the previous position of 106.
- Utilized best practices by implementing Next.js, React.js, Tailwind CSS, and SEO techniques, including developing a sitemap and enhancing Search Console performance.

Schneider Electric, Intern

Bengaluru, Sept 2023 – Dec 2023

- Being part of my first in-office internship at Schneider Electric I carried out the responsibility to bring out innovation and efficiency to the organisation
- Learnt various no-code platforms like Power Apps and Automation tools
- Also presented various solutions that include automation to solve repetitive tasks, a UI-based solution for the higher authorities to get the vitals of the organization
- Also Implemented a UI-based solution to get hands-on on the data from the database in bulk which could solve the problem of data extraction and make Proof of Concepts more feasible
- Introduced Churn Analysis that could predict the win probability of the opportunity with a range of +- 3 and can predict which business unit must take up the opportunity with 95% accuracy and what will be the age of the opportunity with a range of +- 30 days.
- I have learned important aspects about working and that governance rules play a major role in an organization.

ACADEMIC PROJECTS

Audio Denoising

Dec 2022 – Apr 2023

An Audio Denoising Project that utilized wavelet transform to denoise noisy audio and produce clean audio was successfully completed.

- Visualized the audio using the torchaudio library.
- This was designed to be part of a larger stack where the model can be saved and run independently as a denoiser.

F.R.I.E.N.D.S

Jan 2023 – Mar 2023

Built a site F.R.I.E.N.D.S for the Google Solution Challenge, where we tackled the problem of animal rescue and provided a solution for it.

- Created a [compatibility checker](#) using our self-made dataset (Streamlit, Python)
- Created a prototype for various parts of the site that can be accessed at a later stage.

Andhadhun

Jan 2023 – Present

Built an OpenCV and Deep learning Product Andhadhun with Yolo v5 that can predict if there are any vehicles for any visually impaired person.

Reddit Data Extractor

Jan 2023 – Mar 2023

Used the RedditExtractoR, Shiny, tidyverse packages in R. The main aim of the project was to input any search issue from the user and suggest the most relevant post for the given issue.

Kaggle Contributor

Here I have Completed various projects

- Completed a [CNN Classification on CIFAR-10 Dataset](#)
- Ongoing [emotion analysis](#) over go-emotions dataset
- Other [data-science projects](#) I have created can be found on GitHub.

GNN Model to Recommend the Authors to Collaborate

Sept 2023 – Sept 2023

It was a recommendation project where I recommended the authors to collaborate with other authors.

- I worked on a Neo4j Graph database.
- A GNN (Graph Neural Network) to predict recommendation
- Created an API that can be used to call the model and get top 5 recommendation with required metrics
- I completed this as a task from BalkanID

OTHER WORK EXPERIENCE

Nasha Mukh Bharat Abhiyaan supported by the Ministry of Social Justice & Empowerment,

Peer educator field researcher, Overall Lead (3 hours/week)

Chennai, Tamil Nadu, Aug 2022 – Jan 2023

- This was field research that was conducted to get social and environmental research on drug abuse in the Kumizhi village on the outskirts of Chennai
- The [report](#) presented a glimpse of the survey

ACTIVITIES

Web Development Lead, IEEE Robotics and Automation Society

Nov 2022 - Present

Played a significant role in the creation of the Main website, providing vital inputs and managing the project's workflow, as well as designing and constructing products.

- I conducted a hands-on workshop on the subject of deep learning, explaining CNN from scratch to an audience of over 70 people.

Technical Team Member, IEEE Computer Society

Nov 2022 - December2023

Collaborated with a team to develop a documentation website, a repository for the essence of numerous technologies and tech stacks.

- Participated in a variety of management positions that increased my expertise in managing individuals.
- Helped in conducting an event Silent Disco which marked over 600+ registrations

AI/ML Member, Microsoft Innovation Club

Apr 2023 - Present

Solved various Kaggle problems. Promoted to Kaggle Contributor. Also learned about various models and methods of the training model and preprocessing.