

Writvan Ghosh

✉ writvanghosh123@gmail.com

📍 Nitte

🌐 linkedin.com/in/writvan

☎ +919148728325

🐙 github.com/writvan

☕ writvangb5a7



Professional Experience

Research Intern, JPMorgan Chase & Co

2023 Aug – present

- Implemented Zero Knowledge Proof (zkp) for secure Proof-Of-Training in Federated Learning.
- Focused on addressing vulnerabilities while preserving data privacy in finance applications.
- Committed to achieving robustness through ongoing research and development.

Full Stack Developer Trainee,

Inspirante Technologies Private Limited

2023 Feb – 2023 Apr | Nitte, India

- Developed full-stack applications using PHP Laravel for backend and frontend design.
- Created a stock market website with data visualization and prediction capabilities.
- Utilized Python libraries for advanced analytics and API integration.

Education

Bachelor of Engineering (B.E), Computer Science,

N.M.A.M Institute of Technology

2021 Dec – 2025 | Nitte, India

CGPA - 8.99

Senior Secondary (XII), Science,

Kendriya Vidyalaya Mysore

2020 Apr – 2021 Jun | Mysore, India

Percentage: 94.60%

Secondary (X), Kendriya Vidyalaya Mysore

2018 Apr – 2019 Jun | Mysore, India

Percentage: 92.00%

Skills

- Programming Languages: Python, PHP, HTML, CSS
- Frameworks: Django, Flask, Laravel, Bootstrap, TailwindCSS
- Databases: MySQL, MongoDB
- Tools: Git & GitHub

Languages

- English
- Hindi
- Bengali
- Kannada

Projects

VigilanceWatch: Real-Time Violence Detection and Reporting System

- Utilized CNN-based violence detection hosted on Flask.
- Analyzed camera feeds, triggering automatic capture and reporting of incidents.
- Designed a React-powered dashboard for law enforcement reporting.

BotDoc-Medical assistant chatbot

- Built a website with a chatbot trained on a medical dataset.
- Included a prediction section for disease prediction based on entered values.

Stock market dashboard and prediction

- Developed a stock market dashboard and prediction site using PHP Laravel and Bootstrap.
- Integrated real-time data APIs and Python (Pandas, scikit-learn) for accurate forecasts.

Resume Builder website

- Created a resume generator website with HTML, CSS, JS, MySQL, and PHP.
- Features included login, storage, and printable standard resume generation.

Organizations

Google Developer's Student Club NMAMIT,

Web domain Co-head

Organised Web Development workshops

FiniteLoop Club, Competitive Programming co-lead

Organised DSA workshops for club members

Achievements

2nd runner's up at Smart Nitte Hackathon,

led a team of 3 to win among 60 talented teams

Gold medal at International English Olympiad

Qualified in Pre regional mathematics Olympiad - 2019

Certificates

- HackerRank - Python(Basic)
- HackerRank - SQL (Basic)
- HackerRank - SQL (Intermediate)
- Google AI essentials
- Introduction to Generative AI