



# Vaibhav Awasthi

B.S.(Computer Science and Data Analysis)  
Indian Institute of Technology Patna

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<https://github.com/Vaibhav-333>

## ❖ Summary

Aspiring Data Scientist and B.S. Computer Science student at IIT Patna with hands-on experience in ML, deep learning, NLP. Proven track record in project execution and cross-functional collaboration through internships and freelance work.

## ❖ Education

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.S.(CSDA)	IIT PATNA	8.26(Current)	2023-2027
HSC (XII)	Shivaji Group of Institutions (SGOI)	80%	2022
SSC (X)	Shivaji Group of Institutions (SGOI)	87.8%	2020

## ❖ Experience

### Heleum— *Data Science Intern (Apr 2025 - Present)*

- Built and optimized ML models for fraud detection and predictive analytics.
- Conducted data cleaning, EDA, feature engineering, and model evaluation on large datasets.

### Chegg (India) — *Subject Matter Expert (Nov 2023 – Present)*

- Delivered 1000+ high-quality academic solutions weekly across CS, Data Science, Data Analytics, DBMS, ML and DL domains.
- Spearheaded peer review sessions, improving solution accuracy and student engagement.

### Coursera— *Content Writer (Mar 2022 - May 2023)*

- Authored high-impact educational content, increasing program popularity by 10%.
- Helped generate 20% additional revenue within 6 months through strategic content development.

## ❖ Projects

### Credit Card Fraud Detection Tech Stack: Python, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn

- Built machine learning models (Logistic Regression, Random Forest) to identify fraudulent transactions in imbalanced datasets.
- Conducted in-depth EDA and visualized fraud trends using Matplotlib and Seaborn.

### Telegram AI Chat Bot Tech Stack: Python, Telegram Bot API, OpenAI GPT

- Developed an intelligent conversational chatbot with Telegram that answers user queries in real-time using AI language models.
- Designed webhook deployment and set up secure server hosting, enabling dynamic, 24/7 NLP-based interaction through Telegram.

### Sign Language Detection Tech Stack: Python, OpenCV, Mediapipe, TensorFlow / Keras

- Developed real-time ASL detection system using CNN and hand tracking via Mediapipe.
- Achieved 90%+ classification accuracy, enhancing accessibility in education tool.

## ❖ Key Courses Taken

Python, Java Script, HTML, OOPS, MATLAB, MySQL, Machine Learning, Deep Learning, OpenCV, Data Visualization, Data Analysis

## ❖ Technical Skills & Interest

- Programming:** Python, JavaScript
- Web Tools:** HTML, CSS, Flask, Streamlit
- IT Skills:** Git, VS Code, Jupyter Notebook, Google Colab, Power BI, Tableau, Excel (Advanced)
- Databases:** MySQL
- Soft Skills:** Communication, Team Management, Presentation, Documentation

## ❖ Achievements and Responsibilities

- NTSE Scholar(2020)**- Cleared the examination and secured a CRL under 500.
- Team Head** - Headed a team of 30 volunteers to organize the Inter College Sport Competition at IIT Patna
- Coordinator- SPANDAN** (College fest at IIT P)- Led the planning, organization, and execution of the event, ensuring smooth operations and engaging activities for participants.
- Inter College Debate Participant**- Participated in a lot of inter college debates and extempore competition and won prizes. Earned a competitive All India scholarship (ANTHE) during intermediate studies, achieving a top 5% score nationally

## ❖ Certifications

- Data Science Masters 2.0 – Physics Wallah ~ (Aug 2023 -May 2025)**  
Completed a full-cycle program in Python, ML, SQL, CV, DL, and real-world deployments.  
Built multiple hands-on projects using real datasets and learned how to deploy end-to-end machine learning pipelines.
- Cloud Computing – AWS (Serverless Image Processing) ~ (Sept 2023-Nov 2023)**  
Developed and deployed a scalable project on AWS utilizing various services such as EC2, S3, and RDS.  
Implemented robust security measures and optimized performance for efficient operation.
- Excel Fundamentals for Finance – Corporate Finance Institute ~ (Jul 2023 – Aug 2023)**  
Learned financial modeling, Excel automation, and data analysis for business decision-making