VISHNU SHARMA

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BTECH
Computer Science Engineering
Guru Gobind Singh Indraprastha University

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Git-hub / Portfolio
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EDUCATION

Degree/Certificate	Institute/Board	Year
B.Tech. (CSE)	Delhi Technical Campus	2022-Present
Diploma	Prince Institute of Innovative Technology, Greater Noida	2021
Senior Secondary	CBSE Board	2019
Secondary	CBSE Board	2017

EXPERIENCE

- **Institute of Sound and Vibration**   *Nov. 2023 - April 2024*
  (Python Developer Intern)   New Delhi
  - Developed Python scripts to automate collection and processing of vibration data from metro tunnels.
  - Implemented data cleaning and transformation pipelines using NumPy and Pandas.
  - Visualized frequency-domain data trends to assist in predictive maintenance and anomaly detection.

PROJECTS

- **Cart-Nova**   *July, 2025*
  Developed Cart Nova, a responsive and visually enhanced e-commerce website with futuristic UI,
  smooth animations, and intuitive user experience.   Live - Cart-Nova
  - **Tools & technologies used**: Html, CSS, JavaScript.

- **Netflix Clone**   *June,2025*
  A responsive clone of the Netflix homepage, featuring modern UI design, hover effects,
  and mobile-friendly layout.   Git-hub
  - **Tools & technologies used**: HTML, CSS, JavaScript.

- **End-to-End Revenue and Units Analysis**   *Nov, 2024*
  - *Developed a complete sales analysis pipeline using SQL, Power BI, and Tableau to uncover insights*
    on revenue and unit performance.   Git-hub
  - **Tools & technologies used**: SQL, Power BI, Excel, Tableau.

TECHNICAL SKILLS

- **Programming & Data:**   Python (Pandas, NumPy, Matplotlib, Seaborn), SQL (MySQL, PostgreSQL), Excel
- **Web Skills:**   HTML/CSS/JavaScript.
- **Libraries/Frameworks:**   ReactJS.
- **Visualization Tools:**   Power BI, Excel Dashboards
- **Tools & OS:**   Git, VS Code, Jupyter Notebooks, Windows
- **Soft Skills:**   Analytical Thinking, Communication, Problem-Solving

CERTIFICATIONS

- **Python Developer Internship**   – Institute of Sound and Vibration.
- **AI & Data Analytics Consultant**   – Tata Forage.
- **Cyber Security Course**   – Cisco.
- **Data Analysis with Python**   – IBM.
- **Data Visualization with Python**   – IBM.
- **Machine Learning Demystified (Workshop)** – DTC.
- **Web Master Class (Workshop)**   – DTC
- **JavaScript Bootcamp**   – Let's Upgrade.
- **Node.js Development**   – Let's Upgrade.

HOBBIES AND INTEREST

- Coding & Programming.   - Mathematical Problem Solving.
- Chess & Strategy Games.   - Dashboard Design.
- Fitness & Health.   - Music & Creativity.
- Travel & Cultural Exploration.   - UI/UX Exploration.

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CAREER OBJECTIVE

Passionate and dedicated Computer Science student with a strong foundation in HTML, CSS, JavaScript, and foundational experience in React.js and Python. Eager to leverage web development skills to create innovative, user-friendly, and responsive applications. Actively seeking opportunities to learn, grow, and contribute meaningfully within a dynamic and collaborative environment.

EDUCATION

- **Bachelor of Technology (B.Tech) in Computer Science**
Guru Gobind Singh Indraprastha University -
(Delhi Technical Campus, Greater Noida)

2022 – 2026
(Currently Pursuing)

- **Diploma in Electrical Engineering (EE)**
Prince Institute of Innovative Technology,
Greater Noida

2019 – 2021

- **Senior Secondary (XII), CBSE**
Chandra Shekhar Azad Government Boys Senior
Secondary School, Delhi

2019

- **Secondary (X), CBSE**
Chandra Shekhar Azad Government Boys Senior
Secondary School, Delhi

2017

SKILLS AND EXPERTISE

• **Professional:** Microsoft Office Suite, MS Excel, Creative Writing, English Proficiency (Spoken & Written).

• **Languages:** HTML, CSS, JavaScript | Familiar: Python, Node.js

• **Frameworks/Libraries (Basic):** ReactJS, SQL

• **Skills:** Front-End Development, Data Structures and Algorithms, Object-Oriented Programming, Systems Programming, Computer Vision

INTERNSHIP

Intern | Institute of Sound and Vibration   **Nov'23-April'24**

- Developed a Python script using loop constructs to automate vibration data collection every 5 minutes for passing metro trains.
- Implemented real-time signal processing techniques to capture tunnel vibrations and extract frequency-based patterns.
- Generated and visualized four distinct frequency-domain graphs per metro train to analyze vibration impact over time.
- Enabled automated data collection for infrastructure monitoring in a tunnel environment.
- Enhanced data representation by creating interpretable visual plots to assist researchers in evaluating metro-induced vibrations.

PROJECTS

1) **Netflix (Clone) – [HTML, CSS3, JavaScript]**
Netflix Clone Web App is a sleek and responsive video streaming frontend project inspired by Netflix's user interface. Built using HTML, CSS, and JavaScript, it features an engaging homepage with movie thumbnails, hover animations, banner section, and categorized rows similar to the real platform. The design is optimized for all devices, providing a cinematic and user-friendly experience. – currently working on adding dynamic content and playback functionality.

2) **Cart Nova Shop – [HTML, CSS3, JavaScript]**
   Cart Nova Shop is a futuristic and visually rich e-commerce website designed with HTML, CSS, and JavaScript. It features a vibrant UI with animated product cards, hover effects, responsive layout, and a playful cartoonish theme using bold outlines and gradients. The site showcases modern shopping elements like product grids, filter buttons, and interactive navigation. – currently enhancing with glass morphism effects and improved responsiveness.
3) **Portfolio Website – [HTML, CSS3, JavaScript, Typed.js, ScrollReveal.js, jQuery]**
   A fully responsive and interactive personal portfolio website designed to highlight my professional journey, including skills, education, internships, certifications, and projects. Developed using HTML, CSS, and JavaScript, the site features dynamic typing effects with Typed.js, scroll-triggered animations via ScrollReveal.js, and smooth interactivity powered by jQuery. The clean and modern layout ensures optimal viewing across all devices – currently being enhanced with new animations, project showcases, and UI improvements.

CERTIFICATIONS

- **Python Developer Internship**
Institute of Sound and Vibration | November 01, 2023 - APRIL 30, 2024
Completed an internship focusing on Python development, gaining practical experience in backend scripting, automation, and project-based learning.

- **Cybersecurity Essentials**
CISCO Networking Academy | April 27, 2024
Completed Cisco's course on cybersecurity fundamentals, covering network protection, security principles, and threat mitigation.

- **Workshop on Machine Learning Demystified**
Delhi Technical Campus | April 08, 2025
Explored foundational concepts in machine learning, including model training and evaluation, through interactive sessions.

- **Web Development Workshop**
Delhi Technical Campus | April 09, 2025
Attended a hands-on session covering complete web design, hosting, and performance optimization.

- **JavaScript Bootcamp**
Lets Upgrade | July 14–16, 2025
Built a solid foundation in JavaScript, including functions, control structures, DOM manipulation, and event handling.

- **AI & Data Analytics Consultant**
Tata iQ (via Forage) | July 28, 2025
Completed a virtual experience program applying AI and machine learning to real-world financial problems. Built predictive models and provided data-driven strategic recommendations.

- **Data Analysis with Python**
IBM (via Cognitive Class) | August 02, 2025
Gained hands-on experience in analyzing datasets using Python libraries such as Pandas, NumPy, and Matplotlib for effective data interpretation.

- **Data Visualization with Python**
IBM (via Cognitive Class) | August 04, 2025
Learned techniques to visualize and communicate data insights through various Python visualization libraries including Matplotlib and Seaborn.

- **Develop a URL Shortener using Node.js**
LetsUpgrade | July 29 – August 5, 2025
Built a functional URL shortener application using Node.js. Learned and implemented backend development principles including Express routing, URL encoding, input validation, and MongoDB integration for link storage. Gained hands-on experience in deploying and testing RESTful APIs.

HOBBIES AND INTERESTS

- **Web Development & Tech Exploration**
  Enjoy building interactive web apps, experimenting with new frameworks, and contributing to personal projects.

- **Problem Solving & Competitive Coding**
  Passionate about solving algorithmic challenges on platforms like LeetCode or HackerRank.

- **Chess & Strategy Games**
  Regularly play chess to sharpen focus, decision-making, and critical thinking skills.

- **Fitness & Mindfulness**
  Committed to maintaining physical and mental wellness through running, strength training, and mindfulness practices.

- **Music & Creativity**
  Interested in music and digital creativity, fostering innovation and discipline.

- **Open Source & Tech Communities**
  Actively follow tech trends, participate in online communities, and contribute to open-source repositories.