



VISHAL KUMAR SAH

Bachelor of Technology
Computer Science and Engineering
National Institute of Technology, Patna

+91-9135741657
vishals.ug22.cs@nitp.ac.in
LinkedIn.com/in/Vishal kumar
GitHub.com/Vishal kumar

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech(CSE)	National Institute of Technology, Patna	CGPA:- 7.68	June 2026
Senior Secondary	Bihar School Examination Board,Patna	percentage:-80.8	March 2020
Secondary	Bihar School Examination Board,Patna	percentage:-69.4	March 2018

EXPERIENCE

• Web Development [🌐]

May 2023 - January 2024

Patna, India

Completed Web Development Course – Apna College

- Web Development Intern – VaultofCodes.

◦ Strengthened Full Stack development skills using HTML, CSS, JavaScript, and java Programming.

• Personal Portfolio [🌐]

Developed a personal portfolio website to showcase my technical skills and experience using modern web technologies.

PROJECTS

• Chat Application

April 2024 - November 2024



Tools/Tecnologies: Java, Java Sockets, Multi-threading, TCP/IP

- Developed a real-time chat application using Java Socket Programming with support for multiple clients.
- Implemented multi-threading to handle concurrent user sessions efficiently.
- Applied the TCP/IP protocol to ensure reliable communication between Clients and Server.

• Electricity Billing System

July 2024 - November 2024



Tools/Tecnologies: java Programming, AWT, swing, JDBC, MySQL

- Developed an Electricity Billing System in Java following Object-Oriented Programming principles.
- Designed the user interface using AWT and Swing for front-end GUI components.
- Implemented robust backend integration with MySQL using JDBC to manage user and billing data.
- Built, tested, and debugged the application in IntelliJ IDEA, ensuring functional accuracy.

• Product Identification in Shopping Mall

January 2025 - April 2025



Tools/Tecnologies: Python, PyTorch, Jupyter Notebook

- Implemented object detection using Faster R-CNN and YOLOv8 to identify products on retail shelves.
- Optimized the performance monitoring workflow by integrating Faster R-CNN and YOLOv8, enabling scalable analysis of product data points.
- Enhanced existing monitoring infrastructure by deploying faster R-CNN and YOLOv8 models, improving the efficiency of large-scale product data analysis.

TECHNICAL SKILLS

- **Languages:** C,C++, Java, JavaScript, Python, MySQL, HTML, CSS.

- **Fundamentals:** Database Management System, Operating System, OOPS, Data Structures and Algorithm, Computer Network,Discrete Math,Group Theory.

- **Frameworks Libraries:** Pandas, NumPy, Matplotlib, AWT, Swing.

- **Developer Tool:** VS Code, MS Office, Google Colab, Jupyter Notebook, IntelliJidea, GitHub.

- **Soft Skills:** Strong communication skills and problem solving abilities.

CERTIFICATIONS

- Completed N.P.T.E.L course: "The Joy of Computing using Python" with 82%, [Link](#) July 2024 - November 2024
- Completed N.P.T.E.L course: "Social Network with" 75%, [Link](#) January 2025 - May 2025

ACHIEVEMENTS

- GATE 2025 Qualified:- Achieved AIR 11650 in the first attempt–View scorecard [\[Scorecard\]](#).

- Solved 200+ problems on Leet Code [\[View Profile\]](#), Solved 200+ problems on G.F.G. [\[View Profile\]](#).



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EXPERIENCE

- Web Development** [🌐]
Web Development Intern – VaultofCodes
May 2023 - January 2024
Patna, India
 - Developed a booking system website for service-based businesses for haircuts, facials, and others
 - Developed a recipe card website featuring various cake recipes with step-by-step instructions.
- Personal Portfolio** [🌐]
Strengthened Full Stack development using HTML, CSS, JavaScript, and java Programming.

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- Solved 200+ problems on G.F.G. [\[View Profile\]](#).
- Max 1100 rating on Codeforces [\[View Profile\]](#).