



# VISHAL KUMAR SAH

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

+91-9135741657

[vishals.ug22.cs@nitp.ac.in](mailto:vishals.ug22.cs@nitp.ac.in)



[LinkedIn.com/in/Vishal kumar](https://www.linkedin.com/in/Vishal%20kumar)

[GitHub.com/Vishal kumar](https://github.com/Vishal%20kumar)




## 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  
Completed Web Development Course – Apna College Patna, India
  - 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/Technologies: 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/Technologies: 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/Technologies: 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**  May 2023 - January 2024  
*Web Development Intern – VaultofCodes* 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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- Max 1100 rating on Codeforces [\[View Profile\]](#).