VIBHU KUMAR

📞 +91 6204031681 ✉ vibhukumar01singh@gmail.com 🔗 LinkedIn ⭘ GitHub

Education

Indian Institute of Technology, Patna (IIT Patna)	**2025-2027**
Master of Technology in Artificial Intelligence (Computer Science and Engineering)	

Birla Institute of Technology, Mesra (BIT Mesra)	**June 2024**
Bachelor of Technology in Electrical and Electronics Engineering	*CGPA: 8.48*

Delhi Public School, Ranchi	**June 2019**
CBSE – 12th Standard	*95.60%*

Delhi Public School, Ranchi	**June 2017**
CBSE – 10th Standard	*10 CGPA*

Experience

NVIDIA   **Jan 2024 – July 2024**
System Software Intern   *Pune, India*

- Migrated NVIDIA's DeepStream SDK from Linux to Windows, increasing GPU efficiency by 20%.
- Developed comprehensive test cases and fixed bugs, improving reliability and reducing bug occurrence .
- Configured project with CMake, enhancing build efficiency by 20%.
- Reduced loading time of plugins like nvmultistreamtiler by using cmake instead of Wsl.
- Used Visual Studio for debugging, reducing issue resolution time.
- **Technologies:** C, C++, GStreamer

Projects

Code-Player | ⭘ Github Link | ↗ Project link   **June, 2023**
- Built a web app on CodePen that supports real-time code execution using **ReactJS, HTML, and CSS.**
- Refined code efficiency for better UI response time and smoother execution.

Portfolio Website | ⭘ Github link | ↗ Project Link   **May, 2023**
- Created a responsive personal portfolio using **ReactJS, HTML, and CSS.**
- Optimized performance to ensure faster page load and smoother user navigation.

ENews | ⭘ Github link   **April, 2023**
- Developed a news aggregator app using **HTML5, CSS, JavaScript, and REST API.**
- Integrated newsapi.org to fetch and display trending news across categories.

Skills

Expertise Area: Data Structures and Algorithms
Programming Languages: C/C++, HTML/CSS, SQL
Developer Tools: VS Code, MySQL, Visual Studio 2022, Google Colab, GitHub, MobaXterm
Relevant Coursework: Operating Systems, DBMS, OOPs, Digital Electronics,Computer Networks
Frameworks and Libraries: GStreamer, NvTools, JavaScript, React.js

Achievements

- Ranked among the **top 3 percentile** in JEE Mains.
- Secured **Under 100 Rank** in Tally CodeBrewers 2023 (out of 12,711 participants).
- Achieved **121 Rank** in Techsurf 2023 (out of 34,400 participants).
- Qualified **GATE (CSE)** with a score in the **top 1 percentile** nationally.
- Solved **500+ coding problems** across platforms like LeetCode, GeeksforGeeks, HackerRank, and CodeForces etc.

Position of Responsibility

- Organized **medical camps, blood donation drives, and cleanliness initiatives** in rural areas, impacting 500+ individuals.
- Led cultural events such as **Aagaz**, **Literati Combat**, and educational symposiums engaging 1000+ participants.