

Vaibhav Kumar Kandhway

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Objective

A highly motivated Computer Science undergraduate with a strong foundation in object-oriented programming (C++), database management (SQL), and Unix/Linux environments. Eager to apply analytical and problem-solving skills to an entry-level Technical Analyst role. Passionate about financial technology and committed to ensuring the reliability and performance of complex software systems.

Education

VIT Bhopal University, Bachelor of Technology in Computer Science – Bhopal, India Expected: July 2026

- **Relevant Coursework:** Data Structures & Algorithms, Database Management Systems (DBMS), Operating Systems, Computer Networks, Object-Oriented Programming, Software Engineering.

Technical Skills

Programming Languages: C++, Javascript, Python, SQL, Shell Scripting (Bash)

Full Stack Web Development: HTML, CSS, Tailwind CSS, JavaScript, React, Next.js, Node.js

Databases: Relational Database Design, PostgreSQL, MySQL, Oracle, MongoDB, Excel

Operating Systems: Linux, Windows

CS Concepts: Object-Oriented Programming (OOP), Data Structures, Algorithms, SDLC, Networking (TCP/IP)

Deployment Tools: Git, Docker, Amazon Web Services

Academic Projects

Predictive Maintenance for Industrial Devices 2024

- Designed and implemented a full-stack web application to predict failure in machine using Node.js and a PostgreSQL database
- Developed an end-to-end predictive maintenance system for industrial devices using machine learning model to predict machine failure based on sensor data, then visualizes these predictions on a dashboard, with plans for cloud migration

Bhaataka Real Estate Rental Application 2024

- Developed a full-stack, enterprise-grade real estate rental application with frontend built using Next.js, Redux, and Tailwind CSS for responsive user experience
- Built scalable Node.js and Express.js API with PostgreSQL database, fully deployed on AWS, featuring secure authentication and role-based dashboards

Linux System Administrator Tools 2023

- Developed and maintained a suite of Bash scripts for automating routine system administration tasks, including user management, service control, and basic troubleshooting
- Enhanced operational efficiency by providing a menu-driven interface for common commands, demonstrating proficiency in Bash scripting, process management, and system resource monitoring

Leadership & Activities

Member, University Cyberwarriors Club Oct 2022 – Present

- Collaborate with a team of 10+ members to organize coding challenges and workshops on topics like bug bounty
- Mentor first-year students, providing guidance on fundamental data structures and problem-solving techniques

Black Belt in Karate, Martial Arts

2018 – 2022

- Achieved Black Belt certification demonstrating discipline, perseverance, and leadership qualities
- Developed strong mental focus and physical coordination through rigorous training and practice

Zonal Cricket Player, Regional Sports

2019 – 2021

- Represented zone/region in cricket tournaments, showcasing teamwork and competitive spirit
- Demonstrated ability to perform under pressure and maintain consistent performance in team environment