

Vishal Kumar Singh

Student, Problem Solver, Chess Player and Competitive Coder

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Career Objective

A 3rd year Computer Science and Engineering Student Looking for opportunities that allows me to use my strong problem-solving skills along with my passion for my overall growth.

Work Experience

Techvein - Robotics Intern

- Worked as robotics intern at Techvein. Day to day responsibilities were to **design circuits, 3D designs, Games using block programming** and preparing documentations for students to follow the steps to build the same.
- Worked with **Arduino** to build projects using block programming as well as **Arduino IDE**.

College Website – Spring MVC and MySQL keck.ac.in

- Worked on college website and made things dynamic (which was previously all static pages) through admin panel by using **Spring Framework and MySQL database**.
- Also improved the overall design of college website to make better User Experience.
- Learnt to develop and deploy war (Web Archive) files on **Linux Server**.

TestMe - Android Application using Java

- Built an android application in **Java using Android Studio** to help students prepare for examination without paying for mock test.
- The app is currently live on play store to be used by students preparing for various Indian Examination.
- They can appear for the mock test by downloading the application from the **Play Store**.

University Hackathon – organised by BCE Bhagalpur (**First Prize Winner**)

- Led a team of 3 students to take part in university hackathon and build complete Library Management System in just 30 hours and secured the first position among 16 other teams.
- The Library Management System was built **using React JS, PHP, REST APIs, MySQL and Bootstrap** to build responsive web application having separate user and admin panel to manage all kind of library transaction with consistency.

University Competitive Programming – organised by BCE Bhagalpur (**First Prize Winner**)

- Led a team of 3 students to take part in university competitive programming competition.
- Successfully secured the first position by competing with 20 different teams from different colleges.

Geeks For Geeks Code India Code

- Participated in code India code individual competitive coding competition and secured **All India rank 170**.

Project

Job Portal - Desktop Application to Apply for Jobs

Aug 2021 - Dec 2021

- Designed in Django for Server side and tkinter on client side
- Code: - github.com/Vishal-KumarSingh/JobPortal

OMR Evaluator - Checks Answersheet of exams

Feb 2021 - Mar 2021

- Web based application to evaluate OMR by image processing (OpenCV)
- Code: - github.com/Vishal-KumarSingh/OMREvaluator

Library Management System – A web application to manage library transaction

Feb 2021 - Mar 2021

- This was built using **React JS, PHP, REST APIs, MySQL and Bootstrap** to build responsive web application having separate user and admin panel to manage all kind of library transaction with consistency Web based application to manage library transactions. Librarian can manage user, issue books, return books, calculate fine, and send warning email to the users
- Code: - github.com/Vishal-KumarSingh/Library-Management-System

MyServer - Desktop App for Web Dev.

Mar 2022 - May 2022

- Desktop Application for **PHP Development environment** on local Machine using **Socket and Network Programming**
- Code: - github.com/Vishal-KumarSingh/MyServer

Education

- **B. Tech, Computer Science & Engineering.** June 2021-present
Katihar Engineering College Current CGPA **8.81/10**
- **Polytechnic, Computer Science & Engineering.** May 2018-June 2021
Government Polytechnic College Patna, CGPA **8.7/10 (Batch Topper)**

Training

Machine Learning- Intern Shala Trainings

June 2022-Jun 2022

- Introduced with ML models - **Regressions, Clustering.** Build a ML project to evaluate House Price using **Linear Regression**

Web Development - SARP MIND FIRE, Patna

Oct 2020 - Nov 2020

- Learnt to build web application using **REST APIs, Amazon Web Services, Database, FTP, PHP CodeIgniter** for Server-side scripting and **Bootstrap and Materialise CSS** for building engaging frontend.
- Tested Website Bugs and documented them for further development.

Extra-Curricular

- **GATE CSE qualified** in 3rd year with **All India Rank 286**
- Member of **Research Innovation and Website Development Team** at Katihar Engineering College
- **International FIDE rating** in chess - **1205**
- **Lichess Rating: 1900**
- **University Hackathon Winner**
- **University Competitive Programming Winner**
- **University E Chess as well as College Chess Champion**
- **Geeks For Geeks Article Writing**
- **CodeChef Rating** – 1238
- **Google Play App Developer** using Java

SKILLS

- **Web Development** PHP and MySQL, React JS And Express JS
- **Desktop App development** using tkinter Python, Java Swing
- **Android App Development** using Java and Flutter
- **Programming Languages** C++, C, Java, Python, PHP
- **MERN Stack Development** using Mongo Db, Express JS, React JS, Node JS

AWARDS

- **Merit Shield & Batch Topper** at Government polytechnic Patna 7, 2021
- National Chess Player in **School Games Federation of India**, 2018
- **NTSE scholarship** qualified in Class 10.
- **NMMS scholarship** qualified in Class 8, 2016

LANGUAGES

- English
- Hindi