

# Vishal Deep

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## SKILLS

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- **Languages:** C++, R, C, DBMS, SQL, Python, HTML, CSS, JavaScript, DSA, MERN Stack, Typescript, Next JS, API uses and PHP
- **Frameworks:** Bootstrap, React.js, Next.js, MongoDB, Node.js, Matplotlib / Seaborn, Scikit-learn, Pandas, NumPy
- **Tools/Platforms:** MySQL, MongoDB Atlas, Python (Jupyter, Google-collab), Arduino IDE, Thing Speak, Power BI, Tableau, Cisco Packet Tracer, VS Code, Excel, Git & GitHub, Xampp Server
- **Soft Skills:** Problem-Solving Skills, Team Player, Project Management, Adaptability, Time management, Project Management

## INTERNSHIP

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### Report maker on Excel (*Internshala*)

June 2023 – July 2023

- **About:** Coordinate with the field team and collect data on a daily basis and report submission.
- **Tech stacks used:** Excel, Google sheet

### Hr recruiter (*Internshala*)

Aug 2023 - Oct 2023

- **About:** Managing a team of 20 candidates and providing training to them.
- **Tech stacks used:** MySQL

### Sales Intern – EdTech Domain (*Corizo*)

May 2024 - July 2024

- **About:** Promoted and sold EdTech training programs to students across India.
- **Enhanced:** Enhanced communication and negotiation skills through client interactions.

## PROJECTS

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### PHP Employee Management System

Developed a dynamic web-based employee management system with PHP and MySQL, featuring CRUD operations and role-based access control

### Final Year Project: Code to Career

- Developed a full-stack web application to bridge the gap between coding skills and career opportunities.
- Integrated features such as course recommendations, resume building, and interview preparation.
- Tech stack: MERN (MongoDB, Express, React, Node.js), TypeScript, Next.js, API integration.

### FreakyFit – AI-Powered Health & Fitness App

- Designed an AI-driven fitness app providing personalized workout and meal plans based on user data.
- Implemented AI chatbot for fitness guidance and live video sessions with trainers.
- Tech stack: MERN, AI/ML integrations, Razorpay payment gateway, ZegoCloud for live streaming.

### Smart Car Parking and Irrigation Systems using ESP32, Arduino, and Raspberry Pi

- Developed an IoT-based smart car parking system using ESP32, Arduino, IR sensors, and servo motors for automated gate control and real-time parking slot monitoring via ThingSpeak.
- Designed a smart irrigation system using Raspberry Pi with soil moisture sensors and automated water pump control to optimize agricultural water usage.

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## CERTIFICATES

### 1. MERN Stack Development Certificate

Completed an intensive course covering MongoDB, Express.js, React.js, and Node.js for full-stack web development. Gained hands-on experience building dynamic web applications using modern JavaScript frameworks and backend technologies.

### 2. Python for Data Science and Machine Learning

Certified in Python programming focused on data analysis, visualization, and machine learning algorithms, including

practical projects on predictive analytics and model building.

### 3. Data Science Specialization

Completed coursework in descriptive, prescriptive, and predictive analytics. Trained in data visualization tools like Tableau and Power BI to create insightful dashboards and reports.

### 4. Hackathon Participation and Awards

Selected among the top 12 teams in a competitive webathon, showcasing skills in rapid prototyping, coding, and teamwork under pressure.

### 5. Web Development Certificate (HTML, CSS, JavaScript)

Learned fundamentals of front-end web development including responsive design, client-side scripting, and interactive UI creation.

### 6. Database Management Systems (DBMS) Certification

Gained expertise in relational database concepts, SQL queries, and data modeling techniques essential for backend data management.

### 7. IoT Basics and Applications

Trained in Internet of Things (IoT) fundamentals, including sensor integration, microcontroller programming (ESP32), and real-time data monitoring.

### 8. PHP and MySQL Web Development Certificate

Acquired skills to develop dynamic, database-driven websites using PHP and MySQL, including CRUD operations and session management.

## EDUCATION

<b>Lovely Professional University</b>	Punjab, India
• Bachelor of Technology - Computer Science and Engineering; <b>CGPA: 8 CGPA</b>	Since August 2023
<b>Kendriya Vidyalaya NTPC Shaktinagar</b>	Shaktinagar, Utter Pradesh
• Matriculation; <b>Percentage: 86.2%</b>	April 2019 - March 2020
<b>Kendriya Vidyalaya no.1 Dhanbad</b>	Binod Nagar, Dhanbad
• Intermediate; <b>Percentage: 81%</b>	April 2021 - March 2022