

# VIKASH BHARAL

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## EDUCATION

I.K Gujral Punjab Technical University, Kapurthala

B.Tech in Computer Science and Engineering

2022 - 26

9.3

## EXPERIENCE

SkillifyMe

Full-Stack Developer Intern

Remote

Aug 2024 – Present

- Engineered **backend solutions** by designing and implementing **custom APIs** for robust data fetching and posting functionalities.
- Managed the client-side using **Material UI** to build a dynamic dashboard, developed features like **Certificate generation**, and integrated **Firestore Authentication** for **secure** user login.
- Utilized **Firestore Storage** to efficiently manage and store user data.

Hopingminds

Artificial Intelligence / Machine Learning Intern

Chandigarh, Punjab

June 2024 – July

- Developed** and deployed **machine learning models**, including Heart Disease Prediction and Software Developer Salary Prediction and created an **intuitive UI** for the salary prediction model using **Streamlit**.
- Developed a fully responsive website using **React.js**, Tailwind CSS, and **Firestore authentication**.
- Strengthened skills in **AI/ML** and **full-stack development** through **practical experience** and collaboration.

## PROJECTS

PTU STUDY ZONE Live | GitHub

- Developed a **MERN stack platform** for B.Tech CSE students to access academic resources (syllabus, books, Pyq, Youtube content).
- Implemented **admin panel** for managing users, content, and grievances with secure **authentication** (JWT) and **file handling** (Multer).
- Built using **React.js**, **Redux**, **Node.js**, **Express.js**, **MongoDB Atlas** for seamless operations and data management.

SPRINTDIGITAL. Live | GitHub

- Developed a **fully responsive** digital marketing website using **React.js** and **Tailwind CSS**.
- Implemented user-friendly interfaces and **real-time data updates** for enhanced engagement.
- Collaborated with a team to **optimize** and ensure cross-browser compatibility.
- Deployed the application for reliable **performance and scalability**.

CHILDMINDWELL Live | GitHub

- It's **aim** is to **enhance children's mental** well-being and **promote** their **overall mental health**.
- Helps **caregivers** support children's mental well-being with **screenings**, **guidance**, **articles**, and a supportive community.
- Features : Screenings, guidance, **articles**, **dashboards**, channels, and **sessions**.

## TECHNICAL SKILLS AND INTERESTS

**Languages:** JavaScript, HTML, CSS, Python, C/C++

**Frameworks/Libraries:** React.js, Node.js, Express.js, Material UI, TensorFlow, scikit-learn

**Databasse:** MongoDB, MySQL, Firestore

**Tools:** Git, Postman, Jupyter Notebook, Streamlit

**Design:** Tailwind CSS, Bootstrap, Canva

**Concepts:** Machine Learning, Data Structures, Algorithms, RESTful APIs, Operating System

## POSITION OF RESPONSIBILITY

Bizarre Coders - Core Team Member

June 2024 - Present

GDSC IKGPTU - Web Development Core Team Member

Aug 2023 - Present

Student Coordinator - Training and Placement cell Student Coordinator

Aug 2023 - Present

## ACHIEVEMENTS

ByteBattle Hackathon - 1st Position in ByteBattle Web Development Hackathon.

Participated in GirlScript Summer of Code (GSSoC) - Contributed to diversity in tech, hands-on open-source experience.

100+ Questions on Leetcode - Achieved proficiency in data structures and algorithms.