Mridul M Kumar

Roll No.: 21U02031
Bachelor Of Technology
Computer Science and Engineering
Indian Institute Of Information Technology Bhopal

📞 +91-9407105107
✉ mridulmkumar07@gmail.com
✉ 21U02031@iiitbhopal.ac.in
⚡ GitHub Profile
in LinkedIn Profile

EDUCATION

- **Indian Institute of Information Technology, Bhopal** *(2021-2025)*
  B.Tech in Computer Science and Engineering

- **Mother Teresa Senior Secondary School** *(2021)*
  Central Board of Secondary Education, Class - 12th

PERSONAL PROJECTS

- **JobPortal : A Job Application Portal** ⚡ *Demo Link*, ⚡ *GitHub Repo Link*

  Developed a full-stack job portal with secure authentication and role based access.
  - Tools & Technologies Used: **React, Vite, Node.js, Express.js, MongoDB, JWT, Tailwind CSS**
  - Designed and implemented **15+ RESTful APIs** with **Node.js and Express.js**, enabling secure, role-based access control for Admins, Employers, and Applicants.
  - Integrated MongoDB with Mongoose, managing **5000+ application records** and supporting resume uploads with scalable storage solutions.

- **Personal Portfolio : Portfolio Website** ⚡ *Demo Link*, ⚡ *GitHub Repo Link*

  Developed a portfolio showcasing my GitHub projects, resume, and technical skills.
  - Tools & Technologies Used: **React.js, Node.js, JavaScript, CSS3, HTML5**
  - Built a modular React.js frontend with **15+ reusable components** for scalability.
  - Achieved **100% mobile responsiveness** using CSS3 Flexbox and Grid layouts.

- **Machine Learning Project – Plant Disease Detection using CNN** ⚡ *GitHub Repo Link*

  Developed CNN model classifying 38 diseases with 96% accuracy.
  - Tools & technologies used: **Python, TensorFlow, OpenCV**
  - Preprocessed 87,000+ images with augmentation techniques to boost model generalization.
  - Reduced validation loss by 30% using early stopping and learning rate tuning.

TRAINING

- **Google Cloud Practitioner Program** *April-July,2022*
  Silver League Innovator Remote
  - The Google Cloud program familiarized me with the platform via labs on **GCP services**.
  - Program features labs demonstrating GCP skills like **VM creation, Kubernetes setup**, fostering practical understanding
  - ☁ **Cloud Profile**, G **Developer Profile**

TECHNICAL SKILLS AND INTERESTS

Programming Languages : C, C++, Python(basic)
Web Dev's: Node.js, Express.js, React.js, HTML5, CSS3, Bootstrap, Vanilla CSS
Developer Tools : Visual Studio Code (VS Code), Chrome DevTools, Git, GitHub
Cloud & Databases Google Cloud Platform (GCP), MongoDB
Other Technologies : RESTful API Development, JWT Authentication, MVC Architecture

POSITIONS OF RESPONSIBILITY

- **Club Member :** ICC-IIIT Bhopal
- **Club Member :** Google Developer Student Clubs, IIIT Bhopal

ACHIEVEMENTS

- **GATE 2024 :** Qualified **GATE 2024 (CS)**.
- **GeeksforGeeks :** Ranked **130** in my institute with a coding score of **320** and a **66**-day streak.
- **Codechef Global :** Achieved a **Global rank of 278** in July Long One 2022 on July 11th.
- **Codechef :** Currently in **Div-3** with a peak rating of **1572**.