Ishant Gupta

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Education

- **VIT Bhopal University** — Bhopal, India
  Bachelor of Technology - Computer Science; GPA: 8.52 — *July 2022 - Present*
- **Shiksha Bharati Global School** — Dwarka, New Delhi
  CBSE Class 12th, Percentage: 84 — *April 2020 - April 2022*
- **Tagore Senior Secondary School** — Mayapuri, New Delhi
  CBSE Class 10th, Percentage: 83 — *March 2019 - April 2020*

Skills Summary

- **Programming**: C++, Python, Data Structure and Algorithms, OOPs
- **Web-Development**: HTML, Tailwind CSS, JavaScript, React, NodeJs, NextJs, EtherJS, SQL
- **Tools**: MySQL, GIT, MATLAB, SIMULINK, MetaMask

Experience

- **Role-Based Access Control (RBAC) Admin Dashboard** — Remote
  Organization: VRV Security — *December - 2024*
  - **Description**: Designed and developed a Role-Based Access Control (RBAC) web application that allows seamless interaction between bosses and employees.
  - **User Authentication**: Implemented user authentication and role-based routing to differentiate functionalities for Admins (Boss) and Employees securely.
  - **Task Management Features**: bosses can assign tasks, set reminders, and monitor task statuses, while employees can submit tasks and lodge complaints.
  - **Technologies Used**: Next.js, React.js, JavaScript, TailwindCSS, HTML

Projects

- **BlockBridge - Web3 Explorer with Ether.js**: The frontend application was integrated with the Ethereum blockchain through MetaMask, enabling users to securely connect their wallets, access account information, and seamlessly switch between networks.
  I used Ether.js to get data from the Ethereum blockchain, like block information such as block number, miner, and timestamp, transactions within a block, and the balances of user wallets. I showed all this information in real time.
- **LIDAR Marvel: MATLAB Powered-Object Detection**: Leading coding efforts for real-time object detection using LIDAR data and MATLAB. Utilized LiDAR sensors emitting laser pulses to create a dense 3D point cloud, capturing object information by measuring pulse return time. Tech: MATLAB, Python CV, LIDAR Data
- **Heart Disease Prediction Model**: Leveraged four distinct models, including a self-implemented algorithm alongside established architectures like VGG16, ResNet, and MobileNet, to develop a robust predictive system. Tech: AI, ML, VGG16, ResNet and MobileNet.
- **Personal Portfolio**: Highly skilled web developer with expertise in HTML, CSS, JavaScript, Node.js, React, and Next.js. Successfully designed and built a personal portfolio showcasing a diverse range of web development projects. Tech: HTML, CSS, JS, React, Next JS
- **Real Time Chat Application**: This is a real-time chat application developed using React for the front-end, Node.js and Express for the back-end, and Socket.io for real-time bi-directional event-based communication. Tech: HTML, CSS, Socket.io, JavaScript, NodeJS

ACHIEVEMENTS

- Internal Round Finalist **SIH(Smart India Hackathon) 2023.**
- Got **AIR 217** in **Code Combat 3.0 2023** coding challenge organized by coding ninjas.
- Successfully Participated in **GSSoC'24.**
- Successfully Completed **MATLAB** and **SIMULINK**.
- Successfully completed **NPTEL - Cloud Computing**.