Vedansh Gupta

Email: vedansh2511@gmail.com
Mobile: +91-9530453874

EDUCATION

- **Indian Institute of Technology, Mandi** — Mandi, India
  Bachelor of Technology - Mechanical Engineering ; GPA: 7.75 — *July 2019 - June 2023*
  with minor in Computer Science

- **Grow well Public School** — Kota, Rajasthan
  Class 12(Physics, Chemistry, Maths); Percentage: 84 — *2018*

- **Hyundan Model School** — Ramganjmandi, Rajasthan
  Class 10 ; Percentage: 91.40 — *2016*

SKILLS SUMMARY

- **Languages**: Python, JavaScript, HTML, CSS, C++, SQL
- **Frameworks**: ReactJS, ExpressJS, NodeJS Scikit, Flask
- **Tools**: MongoDB, RestAPI, GIT, MySQL, Apache Hadoop
- **Platforms**: Linux, Web, Windows
- **Soft Skills**: Leadership, Event Management, Time Management

PROJECTS

- **Online Chat Application**: Created A Chat Application Using ReactJS which can send and receive messages and images instantly with login page, shows online status of the person, create multiple rooms for chat.
  Features include MaterialUI interactive interface, React Chat engine for handling chats, etc
  Tools and Libraries: ReactJS, HTML, CSS(MaterialUI), React Hooks, React Chat Engine

- **Budget Tracker with Voice inputs**: Created an web application through which you can track your budget by filling form of income and expense details. It shows pie chart in organised manner of income and expense. And has voice input facility with Speechly and Local Storage.
  Tools and Libraries: ReactJS, HTML, CSS(MaterialUI), Context API, Speechly

- **Real Time 2P Chess on Terminal**: Created Chess Game in C++ language using Data Structures and OOPS
  Created classes for each player which updates after each move and remembers the state of game.
  Features like - pawn upgradation on reaching enemy territory, printing invalid move, warning of cheque, remembering number of wins of each player after every game, were also included.

- **Pothole Detection using Laser and Camera Technology (Group Project, Ongoing)**: Developed a model which can detect potholes and alert the driver beforehand regarding the potholes so that the driver can take proper action.
  Two techniques are used, One is using the camera which will take images and perform machine learning algorithms on the data to detect the potholes and the other technique is using a laser to detect the exact depth and width of the pothole.
  Tools and Libraries: Python, NumPy, Pandas, SSD Algorithm, Google Colab

COURSES

- Data Structures and Algorithms, Information and Database Systems, Linear Algebra, Data Science-I (Computing and Data Science), Data Science-II (Probability and Statistics), Data Science-III (Data Preprocessing and Modeling), Data Visualisation and Handling, AI for Everyone(Coursera)

- Principles of Economics, International economics, Basic Communication Skills, Management of Manufacturing and Logistics

ACHIEVEMENTS

- Awarded Most Enthusiastic and Innovative Award from the Former Director of IIT Mandi - August, 2019
- All-India-Rank 6261 in JEE Advanced, out of 2.5 lakh students who cleared JEE Main all over India
- Core Team Member of Space Astromony and Technology Club(STAC), Gustaakh Saale(Drama Club)
- Core Team Member and Short Trek Leader at Hiking and Trekking Club(HnT)
- Member of International Astronomical Union(Headquarters-Paris), Only 6 members from IIT Mandi
- Awarded 3rd Position in Group Drama Competition at Inter-IIT Cultural Meet, IIT Bombay (December, 2019)
- Received O grade in Reverse Engineering(Flagship Course of IIT Mandi)

VOLUNTEER EXPERIENCE

- **Planning Team Member at Exodia** — Mandi, India
  Planning, Organising and Coordinating technical & cultural events impacting over 3000 students. — *March 2020*

- **Event Organizing and Planning Team at AstraX** — Mandi, India
  Helped in Planning and Organizing events, Conducting workshops and Outreach events — *March 2020*