Avni Mittal

89, First Floor, Gagan Vihar main, Delhi - 110051, India
Email-id : **avni.mittal2002@gmail.com**
Mobile No.: **+91-9667730877**

ACADEMIC DETAILS

Degree/Examination	Institute/Board	Year	CPI/%
2nd Year, B.Tech Computer Science and Engineering	IIT Mandi	2020 - Present	8.64
Higher Secondary Education	SRDAV Dayanand Vihar, Delhi (CBSE)	2020	95.6%
Secondary Education	SRDAV Dayanand Vihar, Delhi (CBSE)	2018	97.6%

RELEVANT COURSES

- Data Structures Algorithms, Linear Algebra, Applied Database Practicum, Data Science I(Data Analysis), Data Science II (Probability and Statistics), Data Science III (Machine Learning Basics), Signals and Systems, Mathematical Foundations of CS, Bio-Engineering and its Applications

FIELDS OF INTEREST

- Machine Learning and Deep Learning, Theoretical Mathematics, Visual Computing, Game Design, Robotics

TECHNICAL SKILLS

- **Languages :** Python, C++, Javascript, PHP
- **Frameworks/Other Tools :** MySQL, MongoDB Git, HTML, CSS, node.Js, Tensorflow, Keras, OpenCV
- **IDEs and Programming Tools :** Visual Studio Code, Sublime Text, Spyder, Pycharm

PROJECTS

- **FIT-GAME** (Development Project)
  2021 | Python | Scartch | Node.js | Pose Detection
  - Developed a Gamified Fitness Platform where users have to complete certain tasks to enjoy playing games by Pose detection.
  - Worked on Yoga Pose detection and developed the model for Pose detection while Playing the Games and Made a web-application using HTML, CSS and node.js for the Project
  - Made the project for ACM-W National Hackathon 2021 and got selected in the top 10 teams

- **College Website Revamp Project Lead** (Development Project)
  2021 | HTML | CSS | Javascript | Git
  - Worked on and developed the frontend of the Students Website of IIT Mandi .
  - Took lead and was responsible for the work by a team

- **Gesture Driven Ordering Project** (Development Project)
  2021 | Python | Machine learning | Pose Detection | TensorFlow | OpenCV
  - Developed a gesture driven food ordering System.
  - Worked on Model Development for the Project, generating gesture images and developing logic for the final working of the application.
  - Made the project for Vision Arcadia Hackathon organized by IIT Mandi Robotics Club and bagged 2nd Position

- **Covid-19 Twitter Bot** (Development Project)
  2021 | Flask | Python | Tweepy(Twitter API)
  - Developed Twitter Bot to search for Covid resources and tabulate medical conditions of covid positive patients.
  - Developed the complete Backend and functioning in Python and connected it using Flask Framework

- **Credit Management Project** (Development Project)
  2021 | Node,js | MongoDB | HTML | Git
  - Developed a web-application to manage Credits for students of IIT Mandi
  - Worked on the Backend Logic and multiple functionalities

STRENGTHS

- Hardworking, Enthusiastic to Learn, Positive Attitude, Disciplined and Dedicated, Leadership Qualities

RESPONSIBILITIES / EXTRA-CURRICULAR ACTIVITIES

- Part of Publicity, Sponsorship, and Design Team in AstraX (Annual Space Fest of IIT Mandi)
- Event Coordinator of Enigma- 12 hour Computational Astronomy Hackathon, in AstraX
- Volunteer for Space and Technology Club, and Photography and Movie Making Club , IIT Mandi, 2021
- Graphic Design Internship at AiRTH.in and Nikore Associates , 2021