Arpit Kumar Gautam

Bachelor of Technology
in Computer Science and Engineering
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EDUCATION

Degree	Institute/Board	CGPA/Percentage	Year
Bachelor of Technology	Indian Institute of Technology, Ropar	6.45 (till 4th Sem)	2021-2025
Senior Secondary	Jawahar Navodaya Vidyalaya, Madhya Pradesh	92.2%	2020
Secondary	Jawahar Navodaya Vidyalaya, Madhya Pradesh	82.2%	2018

EXPERIENCE

- **Mentorsity** *September 2023 - December 2023*
  Web Development Intern **Offer Letter**
  - Developed a dynamic and user-friendly **website** using cutting-edge technologies, including **ReactJS and PostgreSQL**, resulting in a highly **responsive** and **visually** appealing platform.
  - Collaborated with a cross-functional **team of designers and developers** to make a seamless and intuitive **user interface**.

PROJECTS

- **Predict Handwritten Digits** *May 2023 - June 2023*
  Python, Machine Learning, HTML, CSS, JavaScript, OpenCV **Website | GitHub**
  - Created a **Website** which **utilizes prediction** to determine whether the **handwritten digits**, which is given by user through website, are **correct or not.**
  - Takes input using **User Interface** where users solve the **math's addition problem** and write the answer then it utilizes **Tensorflow and OpenCV** for image processing with digit image data and predict whether answer is correct or not.

- **Note-Bot-App** *September 2023 - October 2023*
  React-Native, JavaScript, NodeJS, MongoDB **GitHub**
  - Designed and developed a dynamic **note-taking application**, leveraging **MongoDB** to seamlessly **store and retrieve** user-specific notes.
  - Offering a highly intuitive **Drawer Navigator** for note management from where user can access the list of all notes and open any note on **other screen**. User have option of **editing** and **deleting**.

- **RISC-V-Simulator** *February 2023 - April 2023*
  C++, C, Python **GitHub**
  - Created a **simulator** that executes **RISC-V assembly machine code** with advanced features including **pipelining, data forwarding, and cache memory support**, simulating **faster execution and faster memory access**.
  - Designed an intuitive **Graphical User Interface (GUI)** to visually display information during **code execution, enhancing user experience and understanding**.

- **Minor Projects**
  - **WhatsApp Automation Script :** Using **Python, Selenium, Web-driver**. Created a python script that enables **sending messages** on **WhatsApp**. Messages can be sent to any **contact** and we can **fix the time** of sending.
  - **Automotive Website :** **Website** developed specifically for the **Automotive Club of IIT Ropar**. Used **HTML** and **CSS** for interface and for gallery part used **JavaScript**
  - **iNotebook Website :** Developed a **website** which save our daily **task or notes** using **ReactJs** where user can **edit, delete and create** notes. To store Users information used **NodeJs** with **MongoDB Database**.

TECHNICAL SKILLS

- **Programming Languages**: C/C++, Python, HTML/CSS, JavaScript, NodeJs, PHP, mySQL
- **Developer Tools**: VS Code, GitHub, Jupyter Notebook, Google Colab, Linux
- **Frameworks and Libraries**: Machine Learning, PyQt5, NumPy, Selenium, Pandas, React-Native, Bootstape, ReactJs

KEY COURSES TAKEN

- **CSE & Maths**: Algorithm & Data Structure, Digital Logic Design, Discrete Math, Programming Paradigms and Pragmatics, Computer Architecture, Probability & Statistics, Linear Algebra, Calculus, Differential Equations
- **Others**: Signals and Systems, Macro and Micro Economics

CERTIFICATION

- **LeetCode**: Highest Rating - 1583 *Profile*
- **CodeChef**: Highest Rating - 1441 *Profile*
- **CodeForces**: Highest Rating - 1208 *Profile*
- **GeeksForGeeks**: Problem Solved *Profile*