



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	6.44 (till 5th 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**
 - Steam Database** : Leveraged **PostgreSQL** for **data storage**, complemented by **python** for a **dynamic backend** with efficient **APIs**. Designed to catalog **game specifics, genres, developer details, and pricing**, ensuring **streamlined user interactions and scalability**.
 - WhatsApp Automation Script** : Using **Python, Selenium, Web-driver**. Created a python script that enables **sending texts** 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**

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