

Hem Chandra Upadhyay

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ACADEMIC DETAILS

Year	Degree/Exam	Institute	GPA/Marks(%)
Sep 2020 - Present	B.tech in Computer Science	Graphic Era University Bhimtal	8.85/10.0
2020	12th	Maharashi Vidhya Mandir school	75.83 %
2018	10th	Jim Corbett international school	70.83 %

PROJECTS

- **Car Pooling Web App** (Apr 2023 - Jun 2023): Developed a carpool app using the MERN (MongoDB, Express.js, React, Node.js) stack. The app facilitates ride-sharing by connecting drivers with available seats to passengers heading in the same direction. Users can create profiles, search for rides, and schedule trips conveniently. MongoDB handles the database, Express.js manages the backend, React handles the front end, and Node.js powers the server. The app promotes eco-friendly transportation and helps reduce traffic congestion while fostering a community of commuters sharing rides for a greener future.
- **Puzzle Game** (Jan 2023 - Feb 2023): Developed an exciting adventure puzzle game using HTML, CSS, and JavaScript, incorporating Firebase for user login credentials. Players embark on a thrilling quest, solving puzzles and challenges to progress through the game. Firebase provides a secure authentication system, allowing users to create accounts, log in, and save their game progress. The game's interactive interface, coupled with Firebase's real-time database, delivers a seamless gaming experience where players can compete, collaborate, and explore the mystical world of the adventure puzzle game.
- **Spam Detection** (Nov 2022 - Dec 2022): Developed a Naive Bayes classifier for recognizing an email is spam. Handwritten digits were trained and tested using the Kaggle dataset giving 97% accuracy.
- **WhatsApp Chat Analyzer** (Aug 2022 - Oct 2022): Developed a WhatsApp chat analysis tool using Python libraries like Pandas, Matplotlib, WordCloud, and Streamlit. This tool processes exported WhatsApp chat data in CSV format, providing valuable insights. Pandas handles data manipulation, cleaning, and organizing the chat data. Matplotlib generates visualizations, including bar charts and line plots to display message trends. WordCloud generates word clouds, highlighting frequently used words in the conversation. Finally, Streamlit creates a user-friendly web application for interactively exploring the chat data, allowing users to gain valuable insights and discover patterns in their WhatsApp conversations.
- **T20 world cup cricket data analytics - Cricket Analysis** (Jun, 2022 - Jul, 2022) : Created a Power BI report to identify the top 11 players for a T20 cricket team by scraping data from ESPN Cric info with a Brightdata website tool, cleaning and transforming the data with pandas, and evaluating various player performance metrics. Used the resulting Power BI dashboard to select players for various categories (openers, middle order/anchors, finishers, all-rounders, specialist fast bowlers) and ultimately choose the top 11 players to play in the match. The selected team using the Power BI dashboard has a 90% of chances to win the game.
- **API-based project** (Nov 2021 - Dec 2021): Use the API to pull the data and use those data to make our project work dynamically from that API. Developed a Translator, News site, and Weather app.

SKILLS SETS

- **Programming Languages** : C++, Javascript, SQL, C, Python.
- **Databases**: MySql, Firebase.
- **Tools and Frameworks**: POWER BI, NodeJS, React JS.