Vasundhara Pant

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EDUCATION

Rajiv Gandhi Institute of Petroleum Technology   Jais, Uttar Pradesh
Bachelor of Technology in Computer Science and Engineering; CPI: 8.35*   *Dec 2020 - Jun 2024*

Bhartiyam International School   Rudrapur, Uttarakhand
Intermediate: 95.6%   *May 2018 - April 2020*

Bhartiyam International School   Rudrapur, Uttarakhand
Matriculation: 94.8%   *May 2016 - April 2018*

PROJECTS

Travelogue -Full stack Web App | Github | *PHP, PostgreSQL, CSS, JS*   Feb 2022
- Developed a full-stack web application using **PHP** in Backend and HTML, Css, Js in the frontend
- Database include car details of different brands used for accessing queries regarding booking a car, for planning a trip etc. Implemented different **join condition** to process SQL Queries.
- Contains **admin portal**, login page, password reset options like functionalities,

Chat-Now -Realtime Chat Application | Github | *NodeJS, MongoDB, Socket.IO*   Aug 2022
- Created a real time chat application using Nodejs for backend processing, **Mongoose** to connect to mongo DB
- Utilized **Socket.IO** to facilitate real time communication,

Water Quality Prediction Model | Github | *KNN, XGBoost, Model Training*   Dec 2022
- BTech Project-5th semester under Dr. Rahul Kumar in this project I have tried 8 different ML model training techniques to predict water quality
- Performed **Hyperparameter Tuning** for KNN, Decision tree prediction methods to attain maximum accuracy
- Exploratory Data Analysis also shown where at last **XGBoost** classifier outperformed others.

Rapid API Based Music Fetching App | Github | *ReactJs, RapidAPI, Tailwind*   Present
- Fully-fledged music player in progress frontend framework used is React 18.
- Fully responsive app which will work on all devices, css effects added using **Tailwind**
- Redux Toolkit to manage state of this application and to fetch data from unlimited sources -using **RapidAPI**.

TECHNICAL SKILLS

Languages: C/C++, Python, SQL (Postgres), JavaScript, HTML/CSS
Areas of Study: Data Structures and Algorithms, Full Stack Development, Database Management Systems, Object Oriented Programming
Frameworks: React.js, Node.js, RapidAPI, Socket.IO, Bootstrap
Developer Tools: Git,VS Code, PyCharm
Libraries: pandas, NumPy, Matplotlib

ACHIEVEMENTS

- JEE-Advanced Qualified 2020 attempt
- Qualified 1st two rounds of Meta Hacker cup 2022
- 5 star in Problem Solving (C++) - HackerRank
- 150+ problems solved on leetcode
- 3 star - codechef

ACADEMIC AND EXTRACURRICULAR ACTIVITIES

Developer Virtual Experience Program: By Accenture   Completed on Aug 2022
- Completed task modules in: Debugging algorithms, Unit testing, User Acceptance Testing – UAT, Security maturity assessment, IAM policies and permissions, define technical requirements, Design changes to an existing architecture, Scale on-premise system, infrastructure to the cloud, Reading and understanding code Attention to detail etc.

ACM-RGIPT Student Chapter: Event Management Senior Head   July 2021–current
Science and Technical council RGIPT: Designing Coordinator   Oct 2021–Jan 2022