Harsh Kumar Vishwakarma

Email-id : harsharma109@gmail.com
Mobile No.: **9721480955**
LinkdIn: https://www.linkedin.com/in/harsh-vishwakarma-0a4482218/
LeetCode: https://leetcode.com/harsh6341/

ACADEMIC DETAILS

Year	Degree/Exam	Institute	GPA/Marks(%)
Oct, 2021 - present	B.TECH in Computer Science	Graphic Era University (Dehradun)	8.2/10.00
2021	12^{th}, *C.B.S.E*	Woodland Academy	87 %
2019	10^{th}, *C.B.S.E*	Air Force School	82 %

PROJECTS

- **Air Pollution Prediction System** [Link] (December 2023 - January 2024)
  - Developed a predictive model for air pollution levels in various regions.
  - Forecasted the concentration of key air pollutants such as SO2, NO2, RSPM, SPM.
  - Achieved approximately 98% accuracy across all models.

- **Text Classification** [Link] (March 2023 - May 2023)
  - Developed and optimized a text classification model for analyzing movie reviews.
  - Experimented with BOW, N-grams, and TFIDF vectorization techniques.
  - Achieved a 98% accuracy rate using Naive Bayes and Random Forest algorithms on the IMDB dataset.

- **Library Management System** [Link] (October 2022 – November 2022)
  - Developed a Library Management System using Python and Tkinter.
  - Enabled users to manage membership information, automate book details retrieval, and calculate late return fines.
  - Implemented features to add, update, delete, and display member details.

- **Portfolio Website** [Link] (July 2023 - September 2023)
  - Designed a personal website to showcase skills and qualifications.
  - Utilized HTML, CSS, and JavaScript to create a responsive and user-friendly interface.
  - Integrated sections for projects, skills, and contact information to enhance professional visibility.

TECHNICAL SKILLS

- **Programming Languages**: C++, Python, C, HTML5, CSS, JavaScript, SQL.
- **Database**: MySQL.
- **Tools & Technologies**: Git, GitHub, Bootstrap, VS Code, Jupyter Notebook, TensorFlow, OpenCV.
- **Academic Focus**: Data Structures and Algorithms (DSA), Design and Analysis of Algorithms (DAA).

ACHIEVEMENTS

- **Research Paper, IEEE INDISCON** *(2023)*
  - **Title**: Sentiment Analysis of Movie Reviews Based on Naive Bayes and Random Forest Technique.
  - **Contribution**: Conducted research, developed the model, and wrote the paper.
  - **[Link to Paper].**

- **G20 Symposium Digital Architecture Finalist** *(2023)*
  - **Title**: Big Data and Analytics in Precision Agriculture.
  - **Contribution**: Developed a big data analytics solution for precision agriculture.
  - **[Link].**

- **National Service Scheme (NSS) Volunteer** *(Since 2022)*
  - Developed leadership and teamwork skills through coordinating with peers and mentors on various projects.
  - Earned the **B-Level Certificate** for outstanding contributions and participation.