SUMIT NAUTIYAL

☎ +91-8273579631   ✉ sumitnautiyal681@gmail.com   in LinkedIn

Education

Graphic Era Hill University	**Aug. 2021 – Present**
B. Tech. in Computer Science Engineering — CGPA: 8.38/10	Dehradun, India
St. Kabeer Academy	**2021**
Intermediate --- 94 %	Dehradun, India
Army Public School	**2019**
High School --- 91%	

Technical Skills

- **Core**: Data Structures, Algorithms, Object Oriented Programming, Database Management Systems, Operating Systems, Machine Learning, Deep Learning, Web Development.

- **Languages**: C++ (Expertise), C, Java, Python, SQL, JavaScript

- **Developer Tools**: Visual Studio Code, Eclipse, Google Collab.

- **Technologies/Frameworks**: Pandas, NumPy, Scikit Learn, Tensorflow, Keras, MongoDB, ReactJS, Express.

Projects | **GitHub**

Disease Prediction – Machine Learning
- Achieved more than 90% accuracy in predicting various diseases.
- Implemented advanced ML algorithms such as Random Forest, Naive Bayes, SVM, and Decision Tree; analyzed a 30% improvement in model precision and cut data processing costs by 20%
- Designed a user-friendly interface with Stream lit, increasing efficiency by30%.

Potato Leaves Disease Detection — Deep Learning
- Engineered a potato leave disease detection system, surpassing **an 85% accuracy** threshold.
- Enhanced agricultural health monitoring by integrating user-friendly automatic screening, which improved disease spotting, optimized resource utilization, and increased diagnostic precision.
- **Utilized TensorFlow, Keras and Matplotlib libraries.**

MediAid
- Developed an intuitive doctor appointment booking platform, enhancing accessibility and convenience.
- Enabled users to schedule appointments and conduct real-time video consultations with doctors.
- Integrated **MERN** stack and **WebRTC** for seamless scheduling and high-quality video calls.

Suicide Prediction — Natural Language Processing
- Engineered a suicide analysis and prediction model identifying individuals in distress with over 90% accuracy.
- Utilized **Pandas, NumPy, Scikit Learn, Matplotlib, Python** for efficient development.

Competency

- **LeetCode:** Contest rating of 1630+**, 750+ problems** solved.

- **CodeChef:** Contest rating of 1450+, Best Contest Rank of 255 in div 3 contest.

Achievements and Extra Curricular Activities

- **Academics:** Scored 90+ percentage in both 10th and 12th in school.

- **Sport/E-Sports:** Participated in football tournaments organized by the University, Winner -Battle Blaze -Clash of Clans.

- **Certificates:** Graphs Camp by Codeforces Master-Certificate by Algo University. Salesforce Supported Virtual Internship Completion Certificate.