Siddharth Pokhriyal

📞 +91-6395575969   ✉ pokhriyal.siddharth2003@gmail.com   ✉ LinkedIn

Education

Graphic Era Hill University	**July 2022 - July 2026**
Graduation (B.Tech CSE) | CGPA : 8.88	*Uttarakhand, India*
Shri Guru Ram Rai Public School	**April 2020 - April 2021**
Class XII (CBSE) | Percentage : 95.83%	*Uttarakhand, India*
Shri Guru Ram Rai Public School	**April 2018 - April 2019**
Class X (CBSE) | Percentage : 89.00%	*Uttarakhand, India*

Research

IEEE Publications | Enhancement of Usability of AI Chatbots | Research Paper

- Published a survey paper discussing the needs, challenges, and enhancements of AI-based chatbots through various ML and deep learning technologies, such as NLP and HCI.
- Discussed the role of LSTM, a form of RNN, in enhancing the usability of AI chatbots in recent years.

Projects

Facial Emotion Recognition | *Python, OpenCV, Convolutional Neural Network* | ⌂ GitHub   **May 2024 - Jun 2024**

- Developed a deep learning model to recognize 7 distinct human emotions—anger, disgust, fear, happiness, neutrality, sadness, and surprise—using facial images.
- Employed a Convolutional Neural Network model to distinguish between the various human emotions.
- Connected the model with a camera to capture live images for emotion recognition.

Diabetes Predictor | *Python, Machine Learning* | ⌂ GitHub   **Feb 2024 - Mar 2024**

- Developed a web application integrated with a diabetes prediction model that utilizes 3 machine learning algorithms (Random Forest, XGBoost, and KNN) to predict whether a person has diabetes.
- Achieved a model accuracy of 97% on test data, demonstrating the model's effectiveness.

Achievements

- **DAKSHAM 2.0: Anxiety Arena** | Winner
  - Secured **1st rank** in an inter-college event by excelling in three rigorous rounds: a Logical Reasoning Written Test, Extempore speaking, and a Stress Interview (out of 100+ participants).
- **GATE CS 2025** | **AIR 8129 among 170,825 participants** | Score Card
- **GATE DA 2025** | **AIR 3457 among 57,054 participants** | Score Card

Technical Skills

Languages: Python, C/C++, HTML, CSS, JavaScript, and PHP
Frameworks: Tailwind CSS
Developer Tools: VS Code, Jupyter Notebook, Google Collab, and Figma
Tools and Platforms: MATLAB and GitHub
Databases: MySQL and Oracle

Certifications

- **Introduction to Machine Learning:** Ranked among the top 5% of 6,812 candidates by securing 88% in this course offered by IIT Kharagpur on NPTEL.
- **Affective Computing:** Achieved a Gold Medal by scoring 90% in this course offered by IIIT Delhi and IIT Ropar on SWAYAM, gaining insights into the combined potential of AI, Psychology, and UX.
- **Programming in Python:** Obtained 96% in the certification that introduced me to the basics of Python, including data structures, exception handling, and file handling.
- **Machine Learning Onramp:** Completed 100% of an independent learning program offered by MathWorks, which provided a basic understanding of machine learning through a small model predicting digits using the k-Nearest Neighbors algorithm.