Bharat Upadhyay

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Education

Graphic Era Deemed to Be University, Dehradun **2020 - Present**
B.Tech in Computer Science & Engineering *9.11/10 CGPA*

St. Joseph's College, Nainital **2019**
Indian School Certificate(I.S.C.) *89.75%*

St. Joseph's College, Nainital **2017**
Indian Certificate of Secondary Education (I.C.S.E.) *92.71%*

Work Experience

Graphic Era University **Aug 2024 – Dec 2023**
Data Science Intern *On-Site*

- Spearheaded a drug discovery initiative, harnessing machine learning and data analytics methodologies resulting in a 30% reduction time for drug discovery candidate identification.
- Conducted research on predictive machine learning models, achieving an accuracy rate of 95% in classifying compounds' potential for drug efficacy leveraging advanced algorithms and libraries.

AptCoder **Feb 2023 – Aug 2023**
Technical Content Developer *Remote*

- Authored and edited content related to various frameworks, programming languages, cloud services and emerging technologies (viz. AWS, Python, ReactJS, ML, CNN, OpenCV, SQL and so on), resulting in 30% increase in website traffic and 25% rise in user engagement.
- Distilled complex technical concepts into clear and accessible articles for a diverse audience, achieving an average readability score of 72 according to Flesch-Kincaid readability tests.

Projects

Real-Time Emotion Detection model: Python, Keras API, Tensorflow, OpenCV. Source Code

- Engineered an **Emotion Detection Project** using Keras, Tensorflow to accurately detect emotions.
- Highly scalable and accurate upto 71.69% .

AI Powered Chatbot: Artificial Intelligence, PyTorch, NLP, Deep Learning Source Code

- Implemented an **Artificially Intelligent Chatbot** using Pytorch, NLP and Deep Learning.
- Designed to automate responses to help treat social anxiety and depression.

Face Detection Attendance System: Python, OpenCV, Deep Learning, Tkinter Source Code

- Created an **Attendance System** using OpenCV, Deep Learning for Face Recognition with a Tkinter GUI.
- Attained 78% accuracy in face recognition, ensuring accurate and efficient attendance tracking.

Netflix Clone: React.js, HTML, CSS, Firebase Source Code

- Replicated the core features and UI/UX of 'Netflix', including user authentication, browsing, and video playback functionalities.
- Utilized Firebase, React hooks, React Router, JS to make the interface responsive, seamless and interactive.

Technical Skills

Languages: C++, Python, Java, JavaScript
Frontend: React, TailwindCSS, HTML, Bootstrap, CSS, JavaScript
Machine Learning Tools: Tensorflow, Keras, PyTorch, Colab, NLP, scikit-learn
Clouds & Databases: AWS, SQL, Firebase, Neo4j
Developer Tools: VSCode, Jupyter, PyCharm GitHub

Certifications/Achievements

- Earned **AWS Solutions Architect(SAA-C03)** and **AWS Cloud Practitioner(CLF-C01)**, demonstrating proficiency and foundational knowledge in AWS Cloud Services.
- Achieved significant milestones on **LeetCode**, having a global rank **under 20000** with over 800+ DSA questions.
- Participated in **GFG Mega-job-a-Thon** and secured a Global Rank of **461** with a score of 172/175.