



Nitesh Kumar
Bachelor of Technology
in Computer Science and Engineering
Indian Institute Of Technology, Ropar

+91-8769443433
2021csb1117@iitrpr.ac.in
GitHub | Website
Linkedin

EDUCATION

Degree	Institute/Board	CGPA/Percentage	Year
Bachelor of Technology	Indian Institute of Technology, Ropar	6.6 (Till 5th Sem)	2021-2025
Senior Secondary	Central Board of Secondary Education	97%	2021
Secondary	Central Board of Secondary Education	95	2019

PROJECTS

- Chatbot** Nov. 2023 - Dec. 2023
Python, ML, NLP, Llama-2, GoogleAPI, LLM **GitHub**
 - Engineered a chatbot using Llama-2 LLM model to engage users in natural language interactions, facilitating personalized assistance.
 - Seamlessly integrated GoogleAPI backend to automate scheduling tasks, enabling efficient management of reminders and events on Google Calendar.
 - Highlighted adeptness in NLP, software development, and API integration, underscoring innovative problem-solving skills in practical project implementation.
- Stock Price Predictor** Nov. 2023 - Jan 2024
Python, Tensorflow, Keras, Neural Network **GitHub**
 - Developed Stock Price Predictor for TATAMOTORS using LSTM algorithms and ensemble learning techniques.
 - Conducted thorough data preprocessing, feature engineering, and implemented the model with TensorFlow, scikit-learn, Pandas, and NumPy.
 - Achieved accurate predictions by optimizing model parameters and leveraging diverse machine learning approaches.
- Sentiment Analyzer** Jan 2024 - Feb 2024
Python, NLP, Tensorflow, Scikit-learn **GitHub**
 - Developed Sentiment Analyzer using Python, machine learning, and NLP techniques for text analysis.
 - Implemented and trained the model with scikit-learn and TensorFlow, utilizing various algorithms, including Naive Bayes and LSTM.
 - Successfully deployed the analyzer for real-time sentiment analysis, contributing to enhanced user experiences in applications and platforms.
- Handwriting Reader** Jan. 2024 - Feb. 2024
Python programming, ML, OCR, Image processing **GitHub**
 - Developed Handwriting Text Reader using Python and machine learning for efficient image-based text extraction.
 - Implemented OCR techniques to convert handwritten text from images into machine-readable format.
 - Automated data storage processes, saving extracted text in structured text (txt) files for further analysis.

TECHNICAL SKILLS

- Programming Languages:** C/C++, HTML/CSS, Javascript, Python, SQL
- Web Development:** HTML/CSS, Javascript, React.js, Node.js, Express, MongoDB, Three.js, RISC-V
- Data Science:** Python Programming, Numpy, Pandas, Matplotlib, Seaborn, Scikit-learn, Tensorflow, Keras
- Developer Tools and other:** VS Code, Git, GitHub, Linux, Jupyter Notebook, Google Colab, Power BI, Excel

KEY COURSES TAKEN

- CSE :** Data Structures and Algorithms, Digital Logic Design, Discrete Mathematics, Computer Architecture, Programming Paradigms and Pragmatics, Operating System, Database Management System, Computer Network, Cryptocurrencies and Blockchain Technology
- Maths:** Calculus, Linear Algebra, Differential Equations, Probability & Statistics
- Others:** Signal and System, Micro and Macro Economics

POSITIONS OF RESPONSIBILITY

- Team Lead at Techno-Cultural fest,** Hospitality Team, IIT Ropar Feb. 2023 - March 2023
- Team lead for the 5km Marathon,** ODAC Club, IIT Ropar Feb. 2024 - March 2024
- Team lead for the 20km Cycle Marathon,** ODAC Club, IIT Ropar March 2024 - April 2024
- Deputy Secretary,** ODAC Club, IIT Ropar March 2024 - Current

MISCELLANEOUS

- Jawahar Navodaya Vidyalaya,** Selected Among 1% at district level 2014
- UPSC-NDA,** Qualified for SSB Interview 2021
- JEE,** Ranked in top 0.5% in JEE Mains and Advanced 2021
- Rann-Neeti'22,** Silver Medalist in IIT Mandi's Sports Fest 2022
- Inter IIT,** Quater Finalist in 55th and 56th Inter IIT Sports Meet 2022
- Codeforces,** Specialist Handle : *Mr.BruceWayne* 2024