Nilanjan Ghosh

Motivated computer science student specializing in applied machine learning, Python, and Linux, with a focus on crafting data-driven solutions.

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https://nil0711.github.io/digital_resume/

Summary

Aspiring computer scientist with strong skills in Python, Linux, and applied machine learning. Demonstrated ability to create data-driven solutions using statistical modeling and algorithmic optimization techniques. Passionate about innovation and learning new technologies. Seeking a challenging role in a forward-thinking organization where I can contribute my expertise, collaborate on impactful projects, and push the technological boundaries.

Education

- **Indian Institute of Technology, Delhi**   July 2024 - Present
  PhD in Computer Science
  Research Focus: Data Compliance
  https://home.iitd.ac.in/

- **Pondicherry University**   December 2022 - June 2024
  MCA in Computer Science
  CGPA: 9.36
  https://www.pondiuni.edu.in/

Awards

- **JRF, University Grants Commission(UGC)**   January 2024
  Awarded Junior Research Fellowship (JRF) by UGC National Eligibility Test (NET) in January 2024.
  Demonstrated excellence in academic knowledge and research skills in the subject of Computer Science and Applications.
  https://ugcnet.nta.nic.in/

- **GATE, IISC Bangalore**   February 2024
  Qualified GATE 2024 in CS and DA.
  Proficient in core topics of data science, machine learning, AI, and general aptitude.
  https://gate2024.iisc.ac.in/

Certifications

- **Computing with Python, NPTEL**   December 2023
  Achieved a top score of 88% among 30,000+ learners.
  https://nptel.ac.in/

- **Data Analytics with Python, NPTEL**   April 2023
  Learned Python for data analysis, probability, hypothesis testing, regression, clustering, and classification.
  Applied data analytics skills to real-world problems using Python tools such as Pandas, NumPy, and IPython.
  https://nptel.ac.in/

Projects

- **Evaluating Large Language Model Transfer**   February 2024 - May 2024
  Demonstrated that transfer learning from Sanskrit to Hindi improves Hindi language model performance.
  https://github.com/nil0711/LM_Reseach_project

- **Chat Analysis with Sentiment Analyzer**   September 2023 - January 2024
  Streamlit application that analyzes WhatsApp chat data using NLP techniques and provides interactive visualizations and a chatbot interface.
  https://github.com/nil0711/miniproject

- **File Manager**   March 2023 - May 2023
  Python file manager GUI using Tkinter and ttkbootstrap with various file operations.
  https://github.com/nil0711/CODE/blob/main/tkinter_test/test5.py

Skills

- **Programming:** Python (Numpy, Pandas, sklearn, Pytorch, Keras, Streamlit, Seaborn, Matplotlib, google.generativeai, openai, tensorflow, nltk, Faiss, langchain, Plotly)

- **Machine Learning:** Artificial Intelligence (Decision Tree, Neural Networks, Bayesian Network, Markov Model, Hidden Markov Model, Clustering, Classification, Deep Learning, LLM, NLP)

- **Linux:** Programming (Linux System Administration, Shell Scripting, Samba)

Languages

- **English:** Proficient

- **Bengali:** Mother Tongue

- **Hindi:** Fluent

Interests

- Coding for fun

- Puzzle Solving

- Table Tennis

- Cricket

Profiles

- **LinkedIn:** Nilanjan Ghosh

- **GitHub:** nil0711

- **X:** nil0711_iitd