Pankaj Kumar

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Profile

I am a first-year Ph.D. scholar at the National Institute of Science Education and Research (NISER), Bhubaneswar. Currently, I am a part of SMLab at NISER, expanding my expertise in Geometric Deep Learning, primarily focused on Graph Representation Learning and an interest in exploring advancements and applications of LLMs

Education

School of Computer Science, NISER — Bhubaneswar, India
Ph.D. in Computer Science — 2024 - 2029 *(expected)*
- Advisor: Dr. Subhankar Mishra
- Research area: Machine Learning

Department of Mathematics, Utkal University — Bhubaneswar, India
M.Sc. in Mathematics — 2021 - 2023
- CGPA: 7.25

Department of Mathematics, OUAT — Bhubaneswar, India
B.Sc. in Mathematics — 2018 - 2021
- CGPA: 8.31

Jawahar Navodaya Vidyalaya,Jogna — Jharkhand, India
Intermediate in Science — 2016 - 2018
- Percentage: 87.4, Rank 1

Jawahar Navodaya Vidyalaya,Jogna — Jharkhand, India
Matriculate — 2015 - 2016
- CGPA: 9.8, Rank 2

Projects

Expressivity of Private GNNs
National Institute of Science Education and Research India — 2025.01 - present

Survey on Robustness of LLMs
National Institute of Science Education and Research India — 2024.12 - present

Achievements

- **Qualified** for UGC-JRF — 2024.02
- **Rank 4**, in **CU-CET,CPET | Sub - Mathematics** — 2021.11
- **Rank 2**, in Patna Region in National Mathematics Olympiad — 2013

Skills

Languages: English, Hindi, Odia.

Programming: `Python`, `C++`, `MATLAB`,`PyTorch`.

Machine Learning: Deep Learning, Supervised Learning, Natural Language Processing (NLP), Large Language Models (LLM), Data Processing, Graph Neural Networks (GNN)