Kartik Joshi

Data Scientist

Bridging machine learning and computational intelligence to drive innovative solutions. Committed to transforming data into actionable insights for meaningful impact.

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github.com/kartikj360

EDUCATION

Master's Program
National Research University Higher School of Economics

08/2023 - Present   *8.71 CGPA**

Courses
- Data Science (Faculty of Computer Science)

Bachelor's of Sciences (Honours)
University of Delhi, India

12/2020 - 07/2023   *8.9 CGPA*

Courses
- Computer Science

PERSONAL PROJECTS

Meta-proteomics ML pipeline (02/2024 - Present) ↗
- Curated over 600+ GB of clean spectral data and more than 2+ TB of modulated data for DL De-novo models
- 100 TB of raw mass spectrometry data

Heart Patient Data Set for Classification (08/2022 - 11/2022) ↗
- Classification model for predicting accurate mortality up to 90%

SECURE SCAN (04/2022 - 08/2022) ↗
- A security-based QR code scanner implementing software engineering principles , work with 100% QRs .

WORK EXPERIENCE

Research Assistant
Laboratory on AI for Computational Biology, at HSE ↗

01/2024 - Present

*Research on the topic "**Robust and accurate analysis of the data modalities in mass spectrometry**"*

Achievements/Tasks
- Experimental research on proteomics databases (10 TB)
- Developed 2 Machine Learning Pipelines
- Spectra plot software development
- Improved peptide database diversity by 40%

Contact : Attila Kertesz-Farkas - attila.kerteszfarkas@gmail.com

Centralized Allocation Facilitator
The E.C.A. Commission of the University of Delhi ↗

10/2022 - 12/2022   *New Delhi , India*

Contact : Dr. Veenu Bhasin - veenu.bhasin@pgdav.du.ac.in

SKILLS

Machine Learning   Big Data Analytics
Deep Learning   Computational Biology   Python
R   SQL   C++   Advance MS Excel
MS Powerpoint   Leadership   Creative Writing

ACHIEVEMENTS

HSE Gold Scholarship Recipient (06/2023 - 07/2025)
Full Education Scholarship from the Faculty of Computer Science (100%)

Best Student of the Department (Faculty of Computer Science) (07/2022 - 07/2023)
Maintained the highest academic excellence while leading 3 extracurricular organizations, impacting 500+ students

Winner in QuizTrivia (01/2021) ↗
Secured 2nd Runner in the tech quiz event

ORGANIZATIONS

International Indian Club of HSE (09/2023 - Present)
Vice President and Former Member

Parikalan - Computer Science Society of P.G.D.A.V. College (10/2021 - 07/2023) ↗
President and Coordinator

TechWhiz- The I.T. Society, P.G.D.A.V. College (Quizzing Team) (02/2021 - 07/2023) ↗
Senior Member

Rudra - The Street Play Society (Drama and Theatrics) (01/2020 - 02/2021) ↗
Member of the Drama Team

T.A.M.E.E.R NGO (07/2019 - Present) ↗
Senior Volunteer

LANGUAGES

English
Full Professional Proficiency

Hindi
Native or Bilingual Proficiency

INTERESTS

Swimming   Ice Skating   Scientific Blogging
Book Reading   Cooking   Podcast Enthusiast