Poonam Adhikari

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Research Scholar
Computer science and Engineering
Indian Institute of Technology(IIT), Ropar India

GitHub Profile
LinkedIn Profile

Education

•Research Scholar CSE *2019-2023*
Indian Institute of Technology, Ropar

•M Sc.(IT) *2016-2018*
Post Graduate Government College Sector 11, Chandigarh 79%

•B Sc.(IT) *2013-2016*
Dev Samaj College for Women Sector 45, Chandigarh 64%

Awards/Honors

- GATE Qualified (2019)
- UGC-NET Qualified (Dec 2018)

Experience

•GUVI *June 2022-Present*
Data Science Mentor IIT Madrash incubation
– Online sessions on data science

•Plaksha University *July 2023-Present*
Teaching Fellow Mohali
– TF for the courses, ML, and Data Science

•Indian Institute of Technology *Aug 2019 - July 2023*
Teaching Assistant Ropar
– TA for the courses, Introduction of Computing, Social Computing, Discrete Mathematics

•SICSS DELHI *July 2022*
Teaching Assistant Virtual
– Worked as a teaching assistant in SICSS Delhi 2022
– It was 5-day workshop

•NPTEL *Jan 2022-Oct 2022*
Teaching Assistant (DM) Virtual
– Worked as a teaching assistant NPTEL

•Post Graduate Government College Sector 11 *Jan 2019-Apr 2019*
Guest Lecturer Chandigarh
– Delivered Lectures, engaged students in class discussions, and quizzes

•Code Insight pvt Ltd. *Jan 2018-May 2018*
Full Stack Developer Internship Chandigarh
– Size month industrial training as a full stack developer

Research Projects

•Possible Effects Of Phytochemicals With Bioactive Properties On Chemosensory Dysfunction *April, 2023*
Examining the Impact of Home Remedy on COVID-19
– Online survey was conducted over 10 countries where over 1400 participants participated
– We observed that individuals showing symptoms or testing positive for COVID-19 exhibited differences in their food consumption habits

•What a million Indian farmers say?: A crowdsourcing-based method for pest surveillance *Aug-2021*
Developed data-driven strategy to perform pest surveillance.
– Demonstrated the effectiveness and cost-efficiency of the data-driven way of pest surveillance, showcasing its accuracy and economic viability.
– Highlighted the capability of the approach to cover extensive areas with high spatiotemporal granularity for enhanced pest monitoring.

Technical Skills and Interests

Languages:Python, C, C++
Cloud/Databases: MySql, MongoDb
Areas of Interest: Data Science, Machine learning, Natural language processing, Artificial Intelligence
Coursework: Machine learning, Research Methodology, Applied AI
Soft Skills: Communication, Collaboration, Problem-Solving, Leadership