

Indian Institute of Management Lucknow
Lucknow, Uttar Pradesh, India-226013

April 26, 2024

Rf-Application for PhD Program
University of Cambridge
The Old Schools, Trinity Ln, Cambridge CB2 1TN, United Kingdom.

Respected Panel Member!

I hope this cover letter find you well, My name is Vikash Kumar from Lucknow Uttar Pradesh India, and I am writing to express my interest in the **PhD Program** in the Department of Computer Science at University of Cambridge, The Old Schools, Trinity Ln, Cambridge CB2 1TN, United Kingdom. For this program, I have strong background in Machine learning, Reinforcement Learning, Deep Learning, Data Science, Computer vision, Data Structure & Algorithms, Data Base Management System, Engineering Mathematics, Discrete Mathematics OOPs Concepts, IoT and it's applications, and Core subjects in Computer Science and Engineering. I'm postgraduate in M.Tech degree in Computer Science and Engineering (Machine Learning specialisation) from Centre for Advanced Studies, Dr. A.P.J. Abdul Kalam Technical University Campus Lucknow. Along with a good Technical skills and Programming C, C++, Java, Python Libraries (Pandas, NumPy, CSV, TensorFlow, Keras, Scikit-Learn, Matplotlib, Random), Machine Learning, Deep Learning, Computer Vision, NLP, Linux, AWS, GCP, Data Science, MySQL, PHP, HTML5, CSS3, DBMS, Data Structure, Object-Oriented Programming Concepts (OOPs), MS Office & LaTeX and algorithm, Project Work, Seminar Presentation, IT Internship and published research paper **Dental Disease Detection and Classification in Radiograph Images Using Deep Learning Model** in IEEE Xplore International Conference 2023 And another one is **"Importance of Digital Transformation in Business Strategy: A Comprehensive Analysis of Adoption, Implementation, and Impact"** in International Conference on Emerging Trends of Statistical Sciences in AI and its Applications (ETSSAA-2024). So, I have good understanding with work experience in the research and development field. I believe my skills in research provide a significant advantage for creating a successful launch. As a long-time fan of your academic like B.Tech, M.Tech MBA, PGDM, PhD and Research program, Startup Incubation and Innovation, and Cooperative & business development Program.

I am currently working on **"Cyber-Security and Risk Management"** Project position at **Indian Institute of Management (IIM-Lucknow)**, Uttar Pradesh India. In this position, my work is penetration testing and hands-on introduction to hacking through VMware software CVE Testing, and Real Time Data Gathering from CERT-IN Website (<https://www.cert-in.org.in/>) and CVE Miter (<https://www.cve.org/Downloads>), CVE Patch detection, Survival Analysis, GM Modeling, Parametric Inference, Cyber Breaching.

Skills: Python Programming, MATLAB, Statistics, Computer Networking, Linux Command, Wireshark, Fuzzing, Porting Exploits, and Metasploit console modules, Web application Testing, Password Attacks, DoS Attacks, Wireless Attacks, Bypassing Antivirus etc. I want to join a good job position in Research Analyst Position, India. So, please give me a chance because I am excited about the prospect of contributing to innovative projects. Please find attached my application form with relevant documents for your review. Thank you for considering my application position for Knowledge forward to the possibility of discussing how my skills align with the needs of this position. Because my ultimate goal is Research and innovation in a full time **PhD Program** in the field of Computer Science (AI/ML, Data Science, Digital Transformation and Core Computing Algorithms).

Thank You!

Vikash Kumar
Project Engineer: IIM Lucknow
Contact: +91 8989956410
Email: palvikash0807@gmail.com