

Aman Kumar Pandey

Personal Information

Ph.D (Pursuing)
Department of Computer Sc. & Engineering
Delhi Technological University
(Delhi College of Engineering)
Bawana Road, Delhi-110042 India



M.Tech (*Gold Medalist*)
Department of Computer Sc. & Engineering
M. M. M. University of Technology, Gorakhpur -
273 010 Uttar Pradesh, India

B.Tech
Department of Computer Sc. & Engineering
Institute of Technology and Management,
GIDA, Gorakhpur-273209
Uttar Pradesh, India

Contact No.: +917860757667
E-mail: amanpnd60@outlook.com
aman.pandey@dcac.du.ac.in

Date of Birth

January 11, 1995

Achievements

- Received **Vice-Chancellor Gold Medal** in session 2018-19 by **Honorable Chancellor** of Uttar Pradesh **Smt. Anandiben Mafatbhai Patel** and **Chief Minister** of Uttar Pradesh **Yogi Adityanath** on the occasion of M.M M. University's 4th convocation held on 22nd August, 2019.

- Qualified **UGC NET June 2019 for Assistant Professor** in the subject Computer Science and Applications.
- Got **Student of the Year Award** in Institute of Technology & Management GIDA, Gorakhpur. B.Tech (2012-2016).
- Invited & organized a workshop on “**Ethical Hacking and Cyber Security**” by **Ankit Fadia** (Brand Ambassador of Digital **India**, India’s most famous Ethical Hacker and Cyber Security Consultant).
- Worked as a **Chief Editor** in Institute of Technology & Management GIDA Magazine “**Riverra**”.

Research Interest

Computer Vision, Machine Learning, Deep Learning, Distributed Commit Protocols for transaction processing.

Rating at Google Scholar

Citations: 16, H-index: 2, i10-index: 1

<https://scholar.google.com/citations?user=KGyBCa4AAAAJ&hl=en>

Education

M.Tech (Computer Science & Engineering):

Department of Computer Science & Engineering, M.M.M. University of Technology, Gorakhpur, India, First-81.3% (HONS), 2019.

Topic of the Dissertation: LIFT- A New Linear Two-Phase Commit Protocol.

Dissertation Supervisor: Prof. & Dr. Udai Shanker.

B.Tech (Computer Science & Engineering):

Institute of Technology & Management GIDA, Gorakhpur, India, First-74.46%, July 2016.

Publications

Publications in the Proceedings of the International Conferences

- Aman Kumar Pandey and Anil Singh Parihar, 2023. “**A Comparative Analysis of Deep Learning Based Human Action Recognition Algorithms**”. In 2023 14th International Conference on Computing, Communication and Networking Technologies (ICCCNT), pp. 1-7. IEEE, 2023.
- Aman Kumar Pandey, Sarvesh Pandey and Udai Shanker, "**LIFT-A new linear two-phase commit protocol.**" In Proceedings of 25th annual international conference on advanced computing and communications (ADCOM 2019) at IIIT Bangalore. 2019.
<https://doi.org/10.34048/ADCOM.2019.Paper.3>
CORE International Conference Ranking-B

Publications in International Journals

- Sarvesh Pandey, Aman Kumar Pandey and Udai Shanker, “**SP-LIFT: A Serial Parallel Linear & Fast Paced Recovery Centered Transaction Commit Protocol**” *International Journal of SN Computer Science*, Volume 1, Issue 3, May 26, 2020.
Electronic ISSN: 2661-8907.
DOI: 10.1007/s42979-020-00193-0
Indexing- SCOPUS, DBLP, ACM Digital Library, Google Scholar, Japanese Science and Technology Agency (JST), Baidu, EBSCO Discovery Service, CLOCKSS
<https://link.springer.com/article/10.1007/s42979-020-00193-0>

Innovative Project Supervised (UG Level)

Project Title: Sports Event Management System

- The project brings the entire manual process of sports event management online which is built using Asp .Net as a front end and SQL Server as a backend. The main purpose of this project is to simplify the process of handling each sports event by providing a web interface for admin and teacher.

Group Members:

Akshit Dhasmana (*Full Stack Developer at Accenture, Pune/ Package-6.5lpa*)

Ankit Tripathi (*Automation Engineer at EPAM, Hyderabad/ Package-6.0lpa*)

Ashwini Choudhary (*SAP Developer at Accenture, Pune/ Package-4.5lpa*)

Nabeel Khan (*Pursuing Post Graduate Diploma in Business Analysis, Seneca College, Toronto Canada*)

Major Resource Required: APEX, Salesforce, Visualforce

Project Title: Car Green (Car Pooling Android Application)

- An android application built to provide car pooling platform for users, namely Driver/owner of car and Passenger/client for driver. both parties will travel to destination and Passengers will pay fare to the driver. Key feature the project are to provide cost effective, comfortable and pollution free rides.

Group Members:

Anant Ranghi (*Pursuing M.Tech from NIT Hamirpur in Artificial Intelligence*)

Aashutosh Sharma,

Shivam Singh(*Senior Analyst/Software Engineer at Capgemini, Mumbai/ Package-6.8lpa*)

Shubham Sharma(*Software Developer at Enuke Software Pvt. Ltd., Gurugram/ Package-3.25lpa*)

Major Resource Required: Android Studio, Oracle, Play Store and Laptop/Mobile for development and testing.

Project Title: The Employment Agenda

- Project was based on Java and database. In this project they have made an application for employment and this application notified users about the jobs as per their qualifications and needs.

Group Members:

Ayushi Mehta (*Application Development Associate at Accenture, Chennai/ Package-4.5lpa*)

Dolly Saraswat (*Application Development Associate at BOSH, Coimbatore/ Package-5.5lpa*)

Nisha Chaudhary (*Application Development Associate at Accenture, Chennai/ Package-4.5lpa*)

Neha Singh (*Full Stack Engineer at Capgemini, Bangalore/ Package-4.5lpa*)

Major Resource Required: Core Java and Database Management System.

Academic Projects

SP-LIFT: A Serial Parallel Linear and Fast-Paced Recovery-Centered Transaction Commit Protocol | Prof. Udai Shanker, Asst. Prof. Sarvesh Pandey Spring 2020

- This work has been published in SN computer science journal, Springer Singapore abstracted and indexed in ACM Digital Library, CNKI, DBLP, Dimensions, EBSCO Discovery Service. This work is an attempt to propose a Serial Parallel Linear and Fast-paced recovery-centered Transaction (SP-LIFT) commit protocol by modifying the linear two-phase commit protocol. The SP-LIFT protocol is also different from LIFT protocol by allowing the second phase of commit processing to go in parallel while keeping the first phase of the commit processing the same as it was in the LIFT protocol.

LIFT- A New Linear Two-Phase Commit Protocol | Prof. Udai Shanker, Asst. Prof. Sarvesh Pandey (Autumn 2019)

- This work has been published in 25th Annual International Conference on Advanced Computing and Communications (ADCOM 2019), Bangalore, September 8-10, 2019. This work proposes a Linear and Fast-paced recovery centered Transaction commit (LIFT) protocol to improve the existing recovery mechanism (in case of site/node as well as network failures) of linear two-phase commit protocol.

Performance analysis of Deep Learning algorithms for object detection | Prof. Rakesh Kumar (Spring 2019)

- With the help of PASCAL VOC dataset which contains 10k annotated images with 20 object classes and 25k object annotations. With the help of various deep learning algorithms like (RCNN, Fast RCNN, Faster RCNN) we analyze the object and I also compare different types of images in very easy and efficient way.

Online National Polling System | Asst. Prof. Ajai Kumar (Autumn 2016)

- Developed an online service platform with the functionality of social networking where voters and election candidates can interact informally and conduct election at national level.

Online Bookstore Management System | Asst. Prof. Shubham Srivastava (Autumn 2015)

- Developed an online management system with the functionality of social networking where customers and service providers can interact informally while buying and selling books.

Distributed Interactive Virtual Environment | Asst. Prof. Amit Kumar Kar (Autumn 2015)

- Gave a talk on the topic Distributed Interactive Virtual Environment, and also discussed its importance in Computer Science in front of 100+ Students of Dept. Of CSE.

Workshops, Short Term Course & FDP

- Participated in one-week short term course on “**Recent Trends in Machine Learning and Deep Learning for AI Applications**” organized by the department of Information Technology, Delhi Technological University, Delhi held from 5th to 9th June, 2023.
- Participated in one-week short term course on “**Demystifying Intellectual Property for Research Integrity and Economic Development**” organized by the department of Computer Science and Engineering, Delhi Technological University, Delhi held from March 13th to 17th, 2023.
- Participated in one-week short term training program on "**Information Security in the Era of Deep Learning**" 8th-12th February 2021 at Delhi Technological University, Delhi.
- Participated in 5 days Faculty Development Program on “**Cyber Security**” May 28th to 1st June 2020 organized by AICTE Training and Learning (ATAL) Academy.
- Participated in 5 days Faculty Development Program on “**Cloud Computing with AWS**” June 30th to 4th July 2020 organized by Mahaveer Institute of Science and Technology, Hyderabad.
- Participated in a 2 Day “**Cyber Security and its Relevance in Digital India**” September 7th and 8th 2018 (Sponsored by TEQIP III) organized by M.M.M. University of Technology.
- Participated and presented a poster on **Transaction Processing System** in “**Malviya Research Conclave 2018**” 6th to 8th July 2018 (Sponsored by TEQIP III) organized by M.M.M. University of Technology.

Training & Certifications

- Successfully completed course on “**Neural Network and Deep Learning**” from Coursera on Feb 01 2021.
- Successfully completed a 1-month training program on “**PHP with WordPress**” from Hewlett-Packard Education Services, HP Summer Training Nodal Centre, Noida with grade A on 15 June 2015 to 15 July 2015.
- Successfully completed a 2 days training program on “**Advanced Cyber Security**” from Budha Institute of Technology, Gorakhpur on 11th-12th October 2013.
- Successfully completed a 2 Months training program on “**C and Data Structure**” from Interfaces: The Language Lab on 20th November 2013.
- Participated and won 2nd Prize in **Science Quiz & Technology Fair** organized by Institute of Technology & Management GIDA, Gorakhpur.