

Naziya Anjum

Enjoy creative problem solving and got exposure on many projects. Worked efficiently in collaboration across multi-disciplinary departments and projects. Wide experience in teaching and departmental administration. Highly motivated and well organized with quick adaptability.

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EDUCATION

Pursuing Doctor of Philosophy (Ph.D.) Integral University, Lucknow.	Since 2024
PG-Diploma in Big data Analytics (PGDBDA) C-DAC's Advance Computing Training School, Noida.	2023 (First division with A+ grade in Project)
M.Tech. (Computer Science & Engineering) Azad Institute of Engineering Technology, affiliated from A.K.T.U., Lucknow	2018 (First division)
B.Tech. (Computer Science & Engineering) KNIPSS, Sultanpur, affiliated from U.P.T.U., Lucknow.	2013 (First division)

INDUSTRIAL TRAINING

1. One month summer training for language (Core java) from National Institute of Information Technology (**NIIT**), Lucknow.
2. Forty-Eight days Industrial Training on J2EE with International Certification from **HPes**, Lucknow.

SKILLS

Languages	C, J2SE, Python and R
Database	MySql, MangoDB, NoSql
Operating System	Linux (Red Hat), Windows
Software Proficiency	Tableau, MS-Excel,
Technical Competencies	Machine Learning, Advance Analytics, Cloud Computing, Big Data (Hadoop, HDFS, HIVE, SPARK)
Core Competencies	Problem solving, data structure, Object Oriented Techniques, Data Mining

ACADEMIC PROJECTS

PGDBDA Project (Stock Price Prediction Using Machine Learning: A Comparative Analysis of Regression Algorithms)

Platform: Colab, Duration: 2 Months

I led a project with **A+ grade**, where I compared the performance of five machine learning algorithms – Random Forest, Linear Regression, Bagging Regression, AdaBoost Regressor, and Decision Tree Regression – in predicting stock prices accurately. Using a carefully curated dataset, I evaluated these algorithms based on metrics like Mean Absolute Error (MAE), Root Mean Square Error (RMSE), and Squared (R2). This project enhanced my skills in financial data analysis and algorithm selection, making it a valuable addition to my resume.

M.Tech. Dissertation (Gateway Based Energy Efficient Routing: GEER)

Platform: MATLAB, Duration: 6 Months

My thesis focused on improving wireless sensor node energy efficiency and network lifespan. We used a gateway-based protocol method to distinguish the base station from an extra gateway node. Based on their distance from the gateway node, the network

was divided into zones. The protocol was implemented in MATLAB using conventional network parameters and showed improved results for dead nodes, alive nodes, and packet transfers. The reproduction had 7000 iterations, but some nodes still show motion. Even after 7000 balances, 10 of 100 nodes remain (about 90 dead nodes) and network life time increased.

B.Tech. Project (Online Shopping Website)

Platform: J2EE,

Duration: 2 Months

The Online Shopping Website project uses J2EE (Java 2 Enterprise Edition) technologies to build a robust and user-friendly ecommerce platform. The website would allow customers to explore a large selection of products, add items to their carts, make secure payments, and monitor their purchases. The backend handles requests, implements business logic, interacts with the database, and manages data persistence using J2EE, including Java Servlets, JSP, JPA, and possibly EJB. A secure database management system like MySQL or Oracle stores and manages application data. Frontend HTML, CSS, and JavaScript were used to construct layouts, add interaction and create an appealing user experience.

PUBLICATIONS

1. Research Paper, **Naziya, A. (2025). Machine learning-based sentiment analysis for suicide prevention and mental health monitoring in educational institutions.** *Journal of Neonatal Surgery*, VOLUME 14, ISSUE 5, ISSN: 2226-0439(**Scopus Q3**)
2. Research Paper, **Naziya, A. (2025). IoT-based healthcare monitoring.** *International Journal of Research Publication and Reviews*, VOLUME 6, ISSUE 4, ISSN: 2582-7421.
3. **Naziya, A. (2025). Pet adoption platform.** *International Research Journal of Engineering and Technology (IRJET)*, VOLUME 12, ISSUE 5, ISSN: 2395-0056.
4. Book chapter, **Comparative Analysis of Distinct Regression Algorithm on Stock Price Prediction**, in Book Titled **Navigating Computing Challenges for a Sustainable World**, Published in *IGI Global Scientific Publishing (Scopus)*
5. Book Chapter, **Comparative study of various clustering algorithms using in Machine Learning**, in Book Titled **Advances in Electronics, Computer, Physical and Chemical Sciences**, Published in *CRC Press, ISBN 9781003616252 (Scopus)*
6. Patent (App.No: 202541021149) on **Dynamic Resource Allocation System for Optimized Supply Chain Management in Global Markets**, *Intellectual Property India*, Published.
7. Research Paper, **Nazia Anjum, Masood Ahmad, Shafeeq Ahmad, (2018) Efficient Gateway Based Routing in Wireless Sensor Networks**, *JOURNAL OF EMERGING TECHNOLOGIES AND INNOVATIVE RESEARCH*, VOLUME 5, ISSUE 6, EISSN: 2349-5162, 100-108.
8. Research Paper, **Nazia Anjum, Masood Ahmad, Shafeeq Ahmad, (2017) Gateway Based Energy Efficient Routing: GEER** *International JOURNAL OF ADVANCE RESEARCH, IDEAS AND INNOVATION IN TECHNOLOGY*, VOL. 3, ISSUE 4, ISSN: 2454-132X, 483-488.

HONORS AND AWARDS

1. Awarded a Certificate of honour for serving TFT (Tech for Techno crafts) as an executive
2. Awarded a National Seminar Certificate.
3. Awarded a City Level Certificate for Speech by Forest department.
4. Recognized for outstanding performance in the city-Level Speech Competition conducted by the Forest Department.
5. Best teacher Award by chairman of MGIMT, Lucknow.
6. Awarded a Certificate of Appreciation for successfully organizing and conducting a technical event during the Integral university's FEIST festival.
7. Winner of volleyball college teams.

VAC/STC/FDP/WORKSHOP

1. FDP on **Microsoft Azure Fundamentals (AZ-900)** Organised by EtrainIndia.
2. FDP on **Mastering Cloud Computing essentials with AWS** conducted by NITTTR, Chandigarh.
3. STC on **Cardinalities, Self Reference and Diagonalization: Their application in Computability** by IIT Kanpur Faculty, conducted by CSE department, Integral University, Lucknow.
4. FDP on **AI/ML and Data Science for Industry 4.0(Advanced Level)** conducted by NITTTR, Chandigarh.

5. FDP on **The Digital Pulse: Exploring the core of Emerging Technologies**. conducted by CSE department, Shri Ramswaroop Memorial University, Lucknow.
6. Value Added Course on **HTML, CSS, JAVASCRIPT** conducted by CSE department, Integral University, Lucknow.
7. FDP on **Effective Teaching Through Modern Technologies** conducted by HRDC, Integral University, Lucknow.
8. STC cum FDP on **"MATLAB: An Application to AI"** conducted by CSE department, Integral University, Lucknow.
9. Workshop on **"Evolution and Application of Artificial Intelligence"** conducted by CSE department, Ambalika Institute of Management and Technology, Lucknow.
10. FDP on **"Cyber Security and its Tools"** conducted by CSE department, School of Management Sciences, Lucknow.

TEACHING EXPERIENCE (10 Years)

Integral University, Lucknow (23rd Nov 2023 to till date)

Assistant professor B.Tech. (Computer science & Engineering). Teaching several courses such as *Theory of automata and formal languages, Computer organization and architecture, Advanced Cloud computing, Datamining and Warehousing, Internet of Thing, Web Technology*. I am also responsible for conducting the computer labs for students, supervision for their dissertation, transferring knowledge and skills.

Advisor to the Active Minds Club and Technical Advisor for university-wide events, providing strategic guidance, technical expertise, and support in planning and execution.

Active member of the National Board of Accreditation (NBA) and the National Assessment and Accreditation Council (NAAC), contributing to institutional quality assurance and accreditation processes.

M.G. Institute of Management & Technology, Lucknow (1st July 2019-30th July 2022):

Assistant professor B.Tech. (Computer science & Engineering). Teaching several courses such as *Programming for problem solving using C, Artificial intelligence and Emerging technology for engineering* for first year students. I am also responsible for conducting the computer lab for student, supervision for their dissertation, transferring knowledge and skills.

M.G. Institute of Management & Technology, Lucknow (5th August 2014-30th Sep 2017):

Heading the department of B.Tech. (Computer science & Engineering). Took several courses such as *Data structure, cryptography, computer network security, database management system, distributing system and web technology*. Student's supervision for their dissertation, knowledge transfer (including laboratory practical) to students and contributed to the well- organized management and administration of the department. I was also served as **warden** for girl's hostel.

PERSONAL INFORMATION

Date of Birth:	27 th June 1990
Gender:	Female
Marital Status:	Married
Nationality:	Indian
Linguistic Abilities:	English/Hindi/Urdu

Date:

Signature: