

Shra Fatima

Driven by a fervent dedication to creative problem-solving, I have immersed myself in a diverse array of projects, accumulating a wealth of experience and expertise along the way. This journey has afforded me invaluable opportunities to explore multifaceted challenges, honing my skills and broadening my perspective. Through each endeavor, I have embraced innovation and ingenuity, consistently seeking novel solutions to complex problems. This ongoing pursuit has not only enriched my professional repertoire but has also instilled in me a deep-seated enthusiasm for tackling the unknown and pushing the boundaries of what is possible..

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EDUCATION

M.Tech. (Computer Science & Engineering) 2023
INTEGRAL UNIVERSITY, Lucknow. (First division)

B.Tech. (Computer Science & Engineering) 2020
INTEGRAL UNIVERSITY, Lucknow (First division)

12th Standard. 2015
G M A M INTER COLLEGE ,Ballia (First division)

10th Standard. 2013
D R I C PASHUHARI , Ballia (First division)

INDUSTRIAL TRAINING

One month summer training for language (Core java) from Digipodium, Lucknow.

SKILLS

Languages	C, Core Java, Python.
Database	MySql, MangoDB, NoSql
Operating System	Linux , Windows
Software Proficiency	MS-Excel, MS-Word
Technical Competencies	Compiler Design,Real Tima System,Machine Learning, AI, Big Data (Hadoop, HDFS).
Core Competencies	Problem solving, data structure, Object Oriented Techniques.

ACADEMIC PROJECTS

M.Tech. Dissertation (Upgrading Shortest Path Problems)

Platform:Cisco, Duration: 6 Months

My thesis focused on enhancing the efficiency of the Dijkstra Algorithm, a critical component in graph theory and network optimization. Through rigorous research and experimentation, I successfully devised novel solutions to address challenges related to adjacent edges, thereby improving the algorithm's overall performance and reliability. This endeavor involved a meticulous examination of various edge cases and iterative refinement of the algorithm to ensure robustness and effectiveness in real-world applications.

B.tech Projects:

Major project made on : (Android Blood Bank) Technologies Used:PHP, java,XML:

The Android Blood Bank project aims to develop a mobile application that facilitates the process of blood donation and blood transfusion. The application serves as a platform for connecting blood donors with recipients in need of blood transfusions, thereby addressing critical blood shortages and saving lives.

Mini Project made on: (Simple Application for the bus travelling service): Technologies Used: MySQL Database , Java and JDBC:

The Simple Application for Bus Traveling Service Project aims to streamline the process of booking and managing bus travel services for passengers. This application will provide users with a user-friendly interface to search for available bus routes, view schedules, and make reservations conveniently from their mobile devices or computers.

PUBLICATIONS:

1. Research paper entitled **Strategies and Tools for Big Data Analytics in Smart City Environments: Algorithms and Data Types** has been accepted for ORAL PRESENTATION at the INTERNATIONAL CONFERENCE ON BIG DATA, MACHINE LEARNING AND IoT APPLICATIONS (ICBMLIA-2024).
2. **Shra Fatima, KC Maurya, (2023) Upgrading Shortest Path Problems**(Review paper),IJEMR , Volume 13, Issue 3, ISSN: 2250-0758
3. **Shra Fatima, KC Maurya, (2023) Upgrading Shortest Path Problems**(Research paper),IJEMR , Volume 13, Issue 3, ISSN: 2250-0758.

HONORS AND AWARDS:

1. IEEE international symposium on “Computational and Characterization Techniques in Engineering and Scies”.
2. Volunteer Certificate in Sports.

FDP/STC/VAC/Workshops:

1. STC cum FDP “MATLAB:an Application to AI” Conducted by Computer Science and Engineering Department ,at Integral University, Lucknow
2. FDP on “Effective Teaching Through Modern Technologies” ,Integral University.
3. FDP on AI/ML and Data Science for Industry 4.0 (Advanced Level) Conducted by Computer Science and Engineering Department,at Integral University, Lucknow.
4. Value Added Course on HTML,CSS,JAVASCRIPT Conducted by Computer Science and Engineering Department,at Integral University.
5. Workshop Completion Certificate on Python and it's Application on IoT Organized by Softpro India.

TEACHING EXPERIENCE

Integral University, Lucknow (14th September 2023-till now):

Assistant professor B.Tech. (Computer science & Engineering). Teaching several courses such as *C Programming, DAA, Cyber law, Compiler Design, Real Time System, Full stack web development-Frontend* for first year, 2nd Year and 3rd Students. I am also responsible for conducting the computer lab for student, transferring knowledge and skills.

Integral University, Lucknow(1st sept. to 15 dec.2022)

During my master's program, I worked as a Guest Lecturer for B.Tech in Computer Science Engineering. I taught Web Technology during that time.

Cambridge Inter college, Lucknow (3rd September 2020-3rd feb.2021):

I taught computer science from 8th to 12th grade.

PERSONAL INFORMATION

Date of Birth: 1st Aug. 1998
Gender: Female
Marital Status: Married
Nationality: Indian
Linguistic Abilities: English/Hindi/Urdu

Date:

Signature: