

Umaima Fatima

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Professional Summary

Passionate computer science engineer with strong programming skills, effective communication, and a keen interest in teaching. Dedicated to inspiring students and promoting innovation in computer science education. I wish to use my knowledge and skills to contribute towards growth of the organization and enhance my Skills.

Education

M.Tech (Computer Science & Engg.) from Integral University, Lucknow with 9.1 CGPA.

B.Tech (Computer Science & Engg.) from AKTU, Lucknow with 80.7% marks.

Work Experience

Assistant Professor

Integral University | August 2024 - Present

Assistant Professor

Babu Banarasi Das University | August 2023 – August 2024

- Taught courses like Algorithms, Data Structures, Artificial Intelligence, Python Programming, C Programming, Core and Advanced JAVA.
- Supervised B.Tech (Computer Science) students for web development projects.
- Organized and participated in departmental and university-wide academic events and committees.

Junior Software Engineer

Infoseek Softwares | April 2022 – August 2023

- Developed and maintained 5 web applications using MERN stack.
- Created new features in various Languages across 10+ environment.

- Developed 5 e-commerce websites and web applications encompassing design ,coding,testing with a team of 7 web developers.
- Supervised and mentored 3 web development interns, providing them with hands-on experience and technical training in the MERN stack.

Projects

Secure Authentication and Key Management Protocol for Cloud Computing Environments:

Developed secure authentication and key management protocol in cloud computing environment using JAVA which ensure data integrity and privacy , reducing hacking attempt by 95%. This protocol enhances cloud security through multi-factor authentication, advanced encryption, and a hierarchical key management system, ensuring robust protection and access control while supporting scalability and compliance.

Campus Connect: Social Network for College Students:

Developed Campus Connect using the MERN stack, a social networking platform designed specifically for college students. It includes features like personalized profiles, event management, study groups, and campus news feeds, allowing students to connect, collaborate, and stay informed about campus life and academic opportunities.

Core Competencies & Skills

Programming Languages: C , JAVA , JavaScript (ES6+), TypeScript , Python,php.

Front-End Frameworks: React.js, Next.js.

Back-End Technologies: Node.js, Express.js.

DevOps & Cloud: AWS, Azure.

Databases: MongoDB, MySQL.

Version Control: Git.

Machine Learning Frameworks: TensorFlow, scikit-learn.

Data Manipulation and Analysis: pandas, NumPy.

Soft Skills: Problem Solving ,Teamwork and Collaboration , Good Communication Skills , Time Management

Research Work

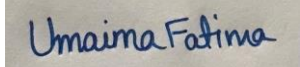
April, 2023	Umaima Fatima and Dr. Sheeba Parveen (2023) "Secure Authentication and Key Management Protocol in Cloud Computing", <i>International Journal of Engineering and Management Research</i> , 13(3), pp. 184–188. doi: 10.31033/ijemr.13.3.25.
June, 2023	Fatima, U. and Parveen, D. S. (2023) "A Review Article on Authentication Protocols in Cloud Computing", <i>International Journal of Engineering and Management Research</i> , 13(2), pp. 225–231. doi: 10.31033/ijemr.13.2.38.

Declaration:

I hereby declare that the above information is true to the best of my knowledge.

Date:07/09/2024

Place:Lucknow


[UMAIMA FATIMA]