Mansi

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Computer Science and Engineering
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EDUCATION

•**Motilal Nehru National Institute of Technology Allahabad**	*2021-2025*
Computer Science and Engineering	CPI: 6.97 till 6th sem
•**St. Teresa International Academy School (CBSE)**	*2018-2020*
Board of Intermediate Education , Bihar	Percentage: 93%
•**St. Xavier's High School (ICSE)**	*2008-2018*
Board of Secondary Education, Bihar	Percentage: 92.4%

PROJECTS

•**Task Offloading in Mobile Edge Computing Environment Github Link**   *February, 2024*

Mobile Edge Computing

- Tools & technologies used: Java, EdgeCloudSim, Eclipse IDE, Deep4learning
- Developed and implemented a multiobjective optimization solution to balance bandwidth consumption and reliability in latency-sensitive IoT applications. Utilized Java and Eclipse for development, and EdgeCloudSim for simulation
- Employed Q-learning, Double Deep Q Network (Double-DQN), and DDPG techniques to transform the problem into a single-objective optimization and introduced two efficient approaches to achieve near-optimal solutions in mobile edge computing environments.
- Conducted comprehensive simulation experiments demonstrating significant enhancements in reliability and reductions in bandwidth usage compared to existing methods.

•**WeatherWise: Weather forecasting website Github Link**   *April, 2023*

Weather Forecast Website

- Tools & technologies used: ReactJs, Node.Js, Express.Js, pusher, MongoDB, OpenWeatherMap API, Python, Jupyter Notebook
- Developed a weather application that provides user with real-time weather information and forecasts. Website has user-friendly interface and aimed to deliver accurate and up-to-date weather data.
- Created functionality that takes user's geolocation of a person in terms of latitude and longitude. Based on geolocation , it forecasts temperature, wind speed , humidity and atmospheric pressure for the next seven days.

TECHNICAL SKILLS AND INTERESTS

Languages: C++, C, Java, Python, JavaScript
Coding Platforms: Solved 1000+ problems on LeetCode, Codeforces, and GeeksforGeeks
Developer Tools: Visual Studio Code, Git and Github
Frameworks: ReactJs, NodeJs
Cloud/Databases: MySql, MongoDB
Soft skills: Problem Solving, Adaptability, Flexibility, Leadership
Areas of Interest: Data Structure and Algorithms, Web Development, Cloud Computing, Machine Learning
Domain Knowledge: Database Management System, Operating System, Computer Networking, Object Oriented Programming, Computer Architecture, Software Engineering, Cryptography and Network security, Data Mining

POSITION OF RESPONSIBILITY

−Member in Chess Club	*2022-current*
−Member in Coding Club MNNIT	*2023-current*

ACHIEVEMENTS

−**Finalist in Tech Maiden**: Annual college competitive coding contest held for female students	*March, 2024*
−**Finalist in Webster**: Web Development competition for students	*April, 2023*
−**Hackathon**: Participated in Hack36 (an event held under CC club, MNNIT)	*February, 2024*
−**Fresher Fiesta'22**: Second Runner up (chess competition organised for freshers)	*May, 2022*
−**Qualified RMO** : Regional Mathematical Olympiad	*November, 2017*
−**Qualified PRMO** : Pre-Regional Mathematical Olympiad	*September, 2017*
−**First Position in Solve and Win Competition**: Held by "SUPER 30" renowned Anand Sir and qualified for admission in SUPER 30 and won trip to various part of India	*January, 2017*
−**Best Sportsperson in School** : Won Promising Sportsperson of School award in girls category	*January, 2018*