Tushar Garg

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EDUCATION

Degree/Qualification	Institution	CGPA/Percentage	Year
MBA (Expected April 2024)	Indian Institute of Technology, Kanpur	-	2022 - Present
B.Tech. (Computer and Communication Engineering)	Manipal Institute of Technology, Manipal	91.90%	2015 - 2019
HSC (12th)	Delhi Public School, Lucknow (CBSE)	89.80%	2014
SSC (10th)	Delhi Public School, Lucknow (CBSE)	9.80	2012

WORK EXPERIENCE

Cerner Healthcare Solutions India Pvt. Ltd. **Bengaluru**
Software Engineer II **July 2019 – July 2022 ▪ 35 Months**

- Developed real-time locks on patient details and updated them using the pub/sub model which significantly reduced the client's data entry time
- Implemented code migration from datetime to epoch value which resulted in eliminating 100% bug failures
- Implemented a Single sign-on mechanism for the clients, which aided in the protection of sensitive patient health information while also reducing logging time for clients by 50%
- Automated process of assigning jobs to personnel, resulting in 80% more efficiency and saving 1 Million USD
- Reduced application load time by 5 sec by implementing a distributed in-memory caching
- Created a new column estimated discharge time, which resulted in effective tracking of the number of beds
- Designed and streamlined the Vertica architecture, which assisted the clients in handling analytic workloads
- Accelerated developer efficiency by working with support groups for quick response on dependencies

POSITION OF RESPONSIBILITY

MIT, Manipal	- Vice President at International Society of Automation, Manipal Chapter (2017-18)

ACADEMIC PROJECTS

MIT, Manipal	- Developed a linear regression prediction model in R to approximate the value of cryptocurrency using data from Twitter over the last 2.5 years - Implemented a bed management dashboard to manage the daily operations involving patients, with drag and drop functionality for patient transfers
Springer Nature, Singapore	- Authored a paper on "User Assisted Clustering Based Key Frame Extraction"

ACHIEVEMENTS

MIT, Manipal	- Secured 3rd Rank out of 30+ participants in Paper Presentation at IECSE Manipal (2016)
Cerner HealthCare	- Received the distinguished rating in performance analysis, given only to the top 5% of employees

OTHER INTERESTS AND HOBBIES

▪ Reading ▪ Cooking ▪ Travelling ▪ Hindi Poetry