DEEPAK SHARMA

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EDUCATION

Delhi-NCR   **SRM University**   **June 2013 – May 2017**
- BTech in Computer Science, June 2020. GPA: 6.9.
- Coursework: Algorithms, Data Structures, Operating Systems, Database Management System, Theory of computation, Architecture, Networking, Computer Programming, Advance OS.

Sonipat   **Jankidas Kapur Public School**   **June 2012 – May 2013**
- (12th Standard): CBSE. Percentage: 72%
- Coursework: Physics, Chemistry and Math.

Sonipat   **South Point Public School**   **June 2010 – May 2011**
- (10th Standard): CBSE. CGPA: 9.0
- Coursework: Sciences, Social Sciences, Math and English.

TECHNICAL EXPERIENCE

Projects
- **Built a web app dashboard for IPL:** A web app to visualize IPL data in a dashboard format built on React. The backend was written using Java under Spring framework and it was deployed on AWS.
- **Personal Assistant Robot**: A robot built for monitoring the environment using cameras and ultrasonic sensors. It was built using RaspberryPi and programmed using Python, IoT
- **Java Collections Clone:** Built a backend API like Java's collections API containing data structures and their features. The data structures implemented were Stacks, Queues, LinkedLists, HashMap, ArrayList, Priority Queue, Trees, Generic Trees, Binary Search Trees and Graphs.
- **Algorithms Visualizer:** An app to visualize the run time of various algorithms built using Java.

MOOCs
- **Java:** Beginner to Advanced
- **Agile Methodology:** Software development using Agile Methodology.
- **GIT:** Beginner to Advanced.
- **SQL:** Relational Databases, designing schemas and querying.
- **JAVA Development Environment:** Building and deploying Java Applications using Spring boot.

ADDITIONAL EXPERIENCE AND AWARDS
- **Rank 2**, Techincal Project Exhibition on National Science Day, awarded by Dr. Sivathanu Pillai at SRM University.
- **Top 10 %ile**, Leetcode leaderboard. Solved more than 500 problems on various online coding Judges.
- **President** Basketball club and **Captain**, Basketball team at SRM University.
- **Vice President**, Placement Cell at SRM University.
- **Member**, Cultural team and Head Organizer of coding events, Aagaz (fest) and Sports fest.
- **Rank 1,** 100-meter Sprints and **4x100** relay race at Jankidas Kapur Public School.

Languages and Technologies
- Languages: Java (A); Python(I); SQL(I).   *[Note: A=Advance, I=Intermediate, B=Basic]*
- **Software Engineering Suite:**
- *Version control:* Git, BitBucket; GitHub; *Environment tools*: Eclipse, Visual Studio, J2EE, Maven;
- *Backend Engineering:* Spring Boot, MySQL, AWS, JShell; *Frontend*: HTML, CSS, React;
- *Programming Paradigms:* Object Oriented Programming, Functional programming.
- *Methodologies and design:* Agile Methodology; Low level design.
- Testing; Documenting and Presentation.
- **Theoretical Computer Sciences:** Data Structures, Algorithm Design and Analysis, Distributed Systems, Discrete Mathematics, Problem Solving.