Radha Verma

B.TECH
Computer Science And Engineering
GL Bajaj Institute Of Technology And Management,Greater Noida

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Education

-GL Bajaj Institute Of Technology And Management, Greater Noida 2019-2023

B.tech, Computer Science And Engineering CGPA/Percentage: 83

Experience

-Bosch Global Software Technologies Jan 2023-May 2023

Associate Software Engineer Intern Bangalore, India

- Successfully led a collaborative team in the development and implementation of a B2B E-commerce website using SAP Hybris, Java, and Spring.
- Developed a high-performance Fetching API that enhanced filtering speed by 5x and effectively resolved bugs
- Revolutionized the display of seller information and elevated user experience by achieving an 11% enhancement through a rating-based search algorithm
- Developed and maintained software applications using Java, Spring Framework, Spring MVC, Spring Boot, Spring JDBC, Hibernate, and MySQL

-Goldman Sachs June 2023-July 2023

Software Engineering Virtual Program

- Proficient in Password Cracking, Password Salting, Hash Functions, Password Cracking tools, and Password strength checker
- Skilled in various hashing algorithms and successfully completed tasks involving cracking leaked passwords

Personal Projects

-Backtracking Algo Visualizer(Sudoku) 2020

Researched and implemented the most suitable algorithm for solving Sudoku puzzles

- Developed using Python, Pygame module, a College API, JSON, and requests module
- Unique feature: Visualizes the step-by-step process of a backtracking algorithm solving Sudoku puzzles
- Emphasized documentation to ensure clarity and understanding

-Video Meeting Android App 2022

Focused on frontend development for a video meeting application

- Integrated Jitsi SDK and Java for backend functionality, while implementing Google Firebase for authentication
- Enables users to participate in video meetings seamlessly

-ECG ANALYSIS- 2022

Developed a high-accuracy Convolutional Neural Network (CNN) architecture for heartbeat classification.

- Created a highly accurate convolutional neural network architecture using Python and TensorFlow and utilized Matplotlib for data visualization
- Developed a model to classify heartbeats into five different types of arrhythmia based on ECG signals
- Achieved outstanding results with an average training accuracy of 99.23% and an average validation accuracy of 98.19% on the MIT-BIH Arrhythmia dataset.

Technical Skills and Interests

- **Languages**: Java, C, C++, Python
- **Developer Tools**: Git Bash and Github, Android studio, Intellij Idea, Visual Studio, Postman
- **Web Development**: HTML5, CSS3, Javascript, React.JS, RESTful Web Services, JSON
- **Frameworks**: Spring, Hibernate, Spring Boot
- **Databases**: MySql, Jdbc
- **Coursework**: Operating System, Database Management System, Computer Networks, OOPS Concepts

Achievements

-Cisco Certified Python Programmer (CCPP) : Successfully completed Python Programming course offered byCisco Networking Academy.Received verified certificate and badge from Cisco Networking Academy in collaboration with OpenEDG Python Institute.

-SQL and Relational Databases course offered by IBM : Completed IBM's course. Proficient in SQL, relational database concepts, and data manipulation. Skilled in designing and optimizing databases with IBM technologies.

-Participation Certification in GWOC'21 : Participated in the championship and demonstrated expertise inData Structures and Algorithms, Java, and Open Source domains.

-Codechef 3 Star(Max Rating 1663)/ 5 Star in Problem Solving on HackerRank :Successfully solved over 600 Data Structures and Algorithms (DSA) problems on platforms such as LeetCode, GeeksforGeeks, and Codechef.