

# SARFRAJ ALAM

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## OBJECTIVE

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Aspiring Software Engineer with a strong foundation in computer science and hands-on experience in full-stack development using Java, Spring Boot, React, and MySQL. Passionate about building scalable applications and solving real-world problems through clean, efficient code. Quick learner, team player, and enthusiastic about contributing to innovative tech solutions. Currently seeking opportunities to apply and grow my skills in a professional environment.

## EDUCATION

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**Bachelor of Computer Science**, Guru Nanak Institutions Technical Campus 2021- 2025

Relevant Coursework: Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases .

## SKILLS

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<b>Languages</b>	Java,Python,SQL,C,HTML,CSS,Javascript
<b>Frameworks</b>	React.js, Spring Boot, Hibernate, Microservices, REST APIs
<b>Other Technical Skills</b>	Artificial Intelligence, Machine Learning, STS,GIT, MySQL
<b>Soft Skills</b>	Leadership, Communication, Event Management, Public Speaking, Time Management

## EXPERIENCE

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**Software Developer Intern** Feb 2021 - June 2025  
QSpider *Hyderabad,India*

- Worked on Backend project using advanced SQL and database management for improving performance.
- Worked with team members with advanced tools like SpringBoot,Hibernate and React.Js for developing UI and Backend.

## PROJECTS

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**Prediction of Chronic Kidney Disease– A Machine Learning Perspective .** (Machine Learning, Healthcare AI) Developed a web-based system for early detection of Chronic Kidney Disease (CKD) using clinical data and ML algorithms. Achieved 98.86 percentage accuracy using LSVM with L2 regularization. Integrated feature selection techniques and comparative model analysis to optimize performance. Tech: Java, Python Weka, Java Swing (UI), MySQL.

**Grocery Management System** (Full Stack Development, Inventory Management): Developed a responsive web application to manage grocery inventory, sales, and customer data efficiently. Implemented full CRUD operations with secure backend APIs and interactive UI. Designed for small to mid-scale retail businesses. Tech: Java, Spring Boot, MySQL, HTML, CSS, JavaScript, REST APIs

**Image Embedded Watermarking System for Security Services Secure E**(Image Security, Cryptography, Edge Computing): Proposed a secure image watermarking technique using homomorphic encryption to protect sensitive media. Integrated edge computing for real-time, privacy-preserving watermark embedding and verification, enhancing data confidentiality in distributed systems.

## EXTRA-CURRICULAR ACTIVITIES

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- Community Lead at Google Developer Student Clubs GDSC.
- Attended Several HackerRank problem Solving Context.
- Took part in Football and Table Tennis tournaments held at High Sch