HARSIT KUMAR

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# OBJECTIVE

# Computer Science graduate with a solid foundation in software development principles and practices, machine learning, complemented by strong knowledge of operating systems and computer networks. Passionate about leveraging cutting-edge technologies and collaborative problem-solving to deliver innovative, scalable solutions. Eager contribute to technological excellence and drive impactful advancements in software development and digital transformation.

# EDUCATION

**Bachelor of Engineering, Computer Science:** BMS College of Engineering Expected 2025

**Relevant Coursework**: Discrete Mathematics, Computer Networks, Cryptography and Network Security, Robotic Process Automation, Data Visualization

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| **Higher Secondary** | **Education**: Delhi Public School, NTPC, Korba(CG) Class X: 91%, Class XII: 88% | 2018 - 2020 |
| **SKILLS** |  |  |
| **Technical Skills/research** | Java, Spring boot, JavaScript, C++, Node.Js, Express.Js, Python, SQL,REST APIs, No-SQL databases, Docker, Documentation(LaTeX), Problem Solving and Deep Learning. | |
| **Soft Skills** | Team Work, Excellent Communication and Interpersonal Skills, Presentation and Time Management. |  |
| **Languages and Frameworks** | Java, Spring boot, C, C++, python, JavaScript(beginner) |  |

**Internship Experience:** 6 months

# Projects and Internship

**<CodeIO/> -** During my three months of internship, I focused on full-stack web development

Technical Activities: Analyzed and extended modules for an NBA portal, understanding previous work and system parameters.

Backend Development: Tested and managed RESTful APIs using Node.js, integrated with MongoDB for data storage. Database Design: Utilized MongoDB to design schemas for user data and application management.

Frontend Development: Implemented user interfaces using React.js for a scholarship application platform, including dynamic forms and admin dashboards**.**

**ML algorithm to detect underwater objects-** Built a machine learning algorithm that can differentiate between a rock and mine present under water. It is implemented in mat-lab and tested on collaborator notebook using logistic regression model.

**Android commodity app-** a project to assist small-scale shop owners in managing and keeping track of goods by creating a portfolio consisting of records of items and their requirements. Used Java for backend implementation, XML for frontend, and Firebase for the database.

**Spring boot Seminar-**consisted concepts like dependency, configuration, and RESTful web services where we learned to connect databases with Spring Data JPA, secure applications using Spring Security. Projects and real-world examples were demonstrated to help build scalable and maintainable applications, develop high-quality Spring Boot applications, equipped with knowledge on best practices, testing, and deployment

**Publications** A Comprehensive Survey on Pose Estimation Algorithms utilizing Augmented Reality

<https://gradivareview.com/volume-10-issue-11-2024/>

# EXTRA-CURRICULAR ACTIVITIES

* Online courses- back-end web framework, data analysis and visualization
* Creating lifestyle videos, spreading awareness on mental health, achieving mindfulness.