

# BIKASH KUMAR YADAV

Bengaluru, Karnataka - 560066, India

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## EDUCATION

**National Institute of Technology, Tiruchirappalli**

Master of Computer Applications (MCA) - CGPA : 7.12/10

Aug 2021 – Jun 2024

Tiruchirappalli, Tamil Nadu

### Relevant Coursework:

DSA, OOP, DBMS, Operating Systems, Computer Networks, Cloud Computing, Software Engineering Principles, Distributed Technology

## TECHNICAL SKILLS

**Programming Languages:** C++, Java, Python, JavaScript

**Web Technologies:** HTML, CSS, React.js, Spring Boot, REST API, Microservices

**Database Systems:** SQL, PostgreSQL, MongoDB

**DevOps and API Tools:** Git/GitHub, Postman, RESTful APIs

**Cloud and Security Tools:** AWS, Bash Scripting

**OS & Other Tools:** Mac, Windows, Linux, Microsoft Office, Latex

**Soft Skills:** Problem-Solving, Agile (Scrum/Kanban), Debugging, Critical Thinking

## EXPERIENCE

**Research Intern** | Machine Learning, Deep Learning, Computer Vision

Jan 2024 - Jun 2024

(Guide: Asst.Prof. Dr.Sindhia Lingaswamy)

NIT Trichy

- Project: AI-Driven Colorectal Cancer Detection Using ML & DL.
- Developed a CNN model using transfer learning, achieving over 90% accuracy in colorectal cancer detection.
- Improved early cancer detection accuracy by 20% using AI-driven techniques.
- Applied advanced image preprocessing, improving model performance by 15%.

## PROJECTS

**IPL Dashboard Application** | React JS, Spring Boot, Spring Batch, JPA, AWS

Nov 2024

- Developed an IPL dashboard to analyze team performance with dynamic filters for match history and win/loss ratios.
- Built ETL pipelines using Spring Batch to process Kaggle's 2008–2020 IPL data, optimizing queries with JPA/JPQL.
- Deployed the full-stack application to AWS for scalability and reliability.

**Car Rental System** | React JS, Spring Boot, MySQL, Bootstrap

Aug 2023

- Developed a full-stack car booking system with admin and customer modules.
- Implemented automated booking workflows, driving license verification, and secure payment processing.
- Built REST APIs with Spring Boot and secured the application using Spring Security.

## ACHIEVEMENTS

- GeeksforGeeks:** Max Rating 2190 ( 5★ ), Solved **800+** Problems
- CodeChef:** Max Rating 2160 ( 5★ ) | Elite **5 Star** Coder
- LeetCode:** Max Rating 2574 (Level **Guardian**), Solved **180+** Problems
- NIMCET 2021 - **AIR 138** | BIT MCA 2021 - **AIR 30**

## CERTIFICATIONS

- Certified Software Engineer, **HackerRank**
- Certified in Java, Python, JavaScript, SQL, React.js, REST API - **HackerRank**
- GitHub Career Essentials Certified, **GitHub**
- Agile Project Management Certified, **Atlassian**

## EXTRACURRICULAR ACTIVITIES

- Participated in competitive contests and hackathons to enhance problem-solving and teamwork skills.
- Designed and deployed a personal website to showcase my technical skills and projects.
- Contributed to an open-source web project on GitHub by adding a feature and resolving several bugs.

## POSITIONS OF RESPONSIBILITY

**Coordinator of Event Execution Committee, Version'23:**

Mar 2023 - Feb 2024

- As the Event Coordinator for Version'23 at NIT Trichy, led a team to organize 15+ events, boosting participation by 20%.

## DECLARATION

- I do hereby declare that all the details furnished above are true to the best of my knowledge and belief.

(Bikash Kumar Yadav)

Note: Highlighted are link to proofs and validation (if required).