

# D Harish Kumar

+91-8839720360 | [LeetCode](#) | [LinkedIn](#) | [GitHub](#) | [harishkumaar.d@gmail.com](mailto:harishkumaar.d@gmail.com)

## About Me

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Passionate and dedicated Computer Science undergraduate specializing in Artificial Intelligence and Machine Learning with strong problem-solving skills. Experienced in machine learning, actively learning full-stack web development, and exploring competitive programming. Driven by a deep interest in coding, DSA, and building impactful tech solutions.

## Education

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<b>VIT Bhopal University, Bhopal</b> <i>Bachelor of Technology in Computer Science, Specialization in AI and ML</i>	9.08 GPA October 2022 - present
<b>Standard Public School, Indore</b> <i>12th (CBSE)</i>	95% 2021 - 2022
<b>Standard Public School, Indore</b> <i>10th (CBSE)</i>	91% 2019 - 2020

## Technical Skills

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**Languages:** Java, Python, SQL, JavaScript, HTML/CSS  
**Frameworks:** React, Node.js, MongoDB, PyTorch, TensorFlow  
**Developer Tools:** Git, GitHub, VS Code, Visual Studio, AWS(basics)  
**Libraries:** pandas, NumPy, Matplotlib, OpenCV, Pygame  
**Relevant Coursework:** Data Structures and Algorithms, Database Management System, Object Oriented Programming, Computer Networks, Operating System

## Projects

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<b>Plan-IT</b>   <i>MongoDB, Express, ReactJs, NodeJs</i>	January 2025
<ul style="list-style-type: none"><li>Developed a scalable cross-platform app using React Native, Node.js, and Firebase for 5,000+ users.</li><li>Built 10+ real-time features including venue selection, announcements, and media sharing.</li><li>Integrated Firebase Authentication and Cloud Functions for seamless real-time sync and secure data handling.</li><li>Optimized front-end performance and ensured responsive UI across web and mobile platforms.</li></ul>	
<b>Credit Card Fraud Detection</b>   <i>Python, TensorFlow, Autoencoder</i>	October 2024
<ul style="list-style-type: none"><li>Cleaned and transformed transaction datasets, reducing null data by 100% using <b>pandas</b> and <b>NumPy</b>.</li><li>Developed a deep learning fraud detection model using Autoencoder on a financial dataset with 400,000+ records.</li><li>Achieved 98.99% training and 98.97% test accuracy in identifying fraudulent transactions.</li><li>Optimized an Autoencoder with a custom loss function for improved fraud detection.</li></ul>	
<b>Smart Attendance</b>   <i>Python, MySQL, OpenCV, Tkinter, Numpy</i>	July 2024
<ul style="list-style-type: none"><li>Automated classroom attendance for 100 students using AI-powered face recognition, improving efficiency by 90%.</li><li>Achieved 90% face recognition accuracy with optimized machine learning models.</li><li>Integrated a SQL database to manage records 1,000+ students, ensuring seamless data storage and retrieval.</li><li>Designed a Tkinter-based GUI for admins, reducing attendance processing time to under 5 seconds per student.</li></ul>	

## Certifications

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- Completed **IBM DevOps and Software Engineering** course on Coursera.
- Completed **AWS Solution Architect – Associate Certification Program** course from Ethnus.
- Completed **Salesforce Developer Certification Program** course from Ethnus .

## Extracurriculars and Achievements

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- Selected in top 100 students for **Reliance Undergraduate Scholarship** program.
- Solved 400+ problems across platforms including LeetCode, GeekForGeeks, Codeforces, and more.
- Hobbies are Problem Solving, Gaming and Cricket.