

# NISCHITHA H N

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Bangalore, Karnataka, India

## OBJECTIVE

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Information Science Engineering student with a strong foundation in software development and a passion for building innovative solutions. Eager to apply academic knowledge and project experience in real-world environments by leveraging modern technologies and best practices. Adaptable, detail-oriented, and motivated to learn, contribute, and grow within collaborative and fast-paced teams.

## EDUCATION

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<b>B.E</b> - RR Institute of Technology, Bangalore	2022 - 2026	CGPA: 8.61
<b>12th</b> – Seshadripuram Pre University College, Bangalore	2021 - 2022	86.5 %
<b>10th</b> – East West Public School, Bangalore	2019 - 2020	86.08 %

## PROJECTS

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- **AI Chatbot Platform using Spring Boot and React** 2024
  - Developed a full-stack AI chatbot application using Spring Boot (Java) and React, integrating LLM (Ollama) for natural language conversation
  - Implemented scalable backend architecture with Spring Boot, ensuring secure, low-latency responses for AI-driven conversations in a production-ready environment..
- **Developed a Virtual AI Fitness Trainer** 2025
  - AI Fitness Trainer web application using React.js and MediaPipe Pose for real-time pose detection, integrated with webcam-based rep counting and form feedback
  - Implemented a full-stack workflow with GitHub for version control, enabling users to track workouts interactively through AI-powered posture analysis and real-time visual feedback.
- **Biometric-Enabled Merchant Payment System for Secure and Seamless Transactions** 2025(Ongoing)
  - Designed and implemented a secure payment system using fingerprint authentication, ESP32 microcontroller, R307 sensor, and MySQL database, enabling cashless transactions without mobile phones or cards
  - Developed a web interface using HTML, CSS, JavaScript, React, and a PHP backend for user/merchant account management and transaction history

## **SKILLS**

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- **Programming Languages:** Java, Python, object-oriented programming
- **Web Technologies:** HTML, CSS, React.js
- **Database:** SQL, MySQL
- **Soft Skills:** Time management, Problem solving, Adaptability, Quick Learner
- **Tools and Technology:** GitHub, Microsoft Excel, Tableau, VS Code

## **CERTIFICATIONS**

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| - <b>Introduction to Internet of Things, NPTEL</b>   | <i>Oct 2023</i> |
| - <b>Career Path as Web Developer, LinkedIn</b>      | <i>Oct 2024</i> |
| - <b>Python for Beginners Course In-Depth, Udemy</b> | <i>Oct 2024</i> |
| - <b>Data Analysis Using Python, IBM</b>             | <i>Sep 2024</i> |

## **ACHIEVEMENTS**

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- Earned Software Engineer Intern Certification from HackerRank (Aug 2025), validating problem-solving and coding proficiency.
- Completed a 5-Day Crash Course on Data Analysis with Python at Innomatics Research Labs (July–Aug 2025), gaining hands-on experience in Python-based data analytics.

## **EXTRA-CURRICULAR ACTIVITIES AND HOBBIES**

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- Actively participated in multiple NSS (National Service Scheme) workshops focused on social awareness, leadership, and community development.
- Sketching and creative arts – enhancing creativity and attention to detail.