

# NISCHITHA H N

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[LinkedIn](#) [GitHub](#) [Portfolio](#)

Bangalore, Karnataka, India

## OBJECTIVE

Information Science Engineering student aspiring to be a Java Full Stack Developer, with strong skills in Java, Spring Boot, React, Python, and SQL. Experienced in developing full-stack applications and AI-driven projects, integrating scalable backend systems with interactive front-end interfaces. Proficient in applying modern development practices, problem-solving, and teamwork to build secure and efficient solutions. Adaptable and detail-oriented, eager to contribute and grow in collaborative, fast-paced environments

## EDUCATION

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

## PROJECTS

<b>AI Chatbot Platform using Spring Boot and React</b>	2024
<ul style="list-style-type: none"><li>Independently architected and developed a production-ready full-stack AI chatbot application using Spring Boot (Java) and React, seamlessly integrating LLM (Ollama) to deliver real-time, natural language conversations with low latency and high scalability.</li><li>Implemented scalable backend architecture with Spring Boot, ensuring secure, low-latency responses for AI-driven conversations in a production-ready environment.</li><li><b>Tools &amp; Technologies:</b> Java, Spring Boot, React.js, REST API, MySQL, GitHub, Postman, VS Code, LLM (Ollama).</li></ul>	
<b>Developed a Virtual AI Fitness Trainer</b>	2025
<ul style="list-style-type: none"><li>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</li><li>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.</li><li><b>Tools &amp; Technologies:</b> React.js, MediaPipe, JavaScript (ES6), HTML5, CSS3, Node.js, Git, GitHub</li></ul>	

## Biometric-Enabled Merchant Payment System

2025-Present

- 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
- **Tools & Technologies:** ESP32, R307 Fingerprint Sensor, MySQL, SHA-256 Encryption, HTML, CSS, JavaScript, PHP

## SKILLS

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- **Programming Languages:** Java, Python, object-oriented programming
- **Web Technologies:** HTML, CSS, JavaScript, React.js
- **Database:** SQL, MySQL
- **Tools and Technology:** GitHub, Microsoft Excel, Tableau, VS Code

## CERTIFICATIONS

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

## 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.