

# ABDUL HAKEEM S H

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🔗 Portfolio



## SUMMARY

Electronics and Communication Engineering graduate with hands-on experience in electronic systems, communication protocols, and software development, now focusing on AI-driven solutions and Python-based automation. Skilled in Java, Spring Boot, and API integration, with proficiency in building scalable and secure applications. Actively exploring Artificial Intelligence, Machine Learning, and NLP to create intelligent systems and automation workflows. Seeking opportunities to apply my technical expertise in AI, backend development, and emerging technologies to deliver innovative solutions.

## PROFESSIONAL EXPERIENCE

- TATA ELXSI, Developer - Trainee**  
• Developed a **CRUD** application leveraging **Spring Boot**, **SQL**, and **Core Java**, while designing and integrating **RESTful APIs** to enhance data processing efficiency and support legacy systems.  
• Gained proficiency in **Microservices**, **OOP principles**, and **JavaScript**.
- January 2024 – June 2024  
Chennai, India
- Versatron Solutions, Implant Trainee**  
• Gained expertise in **RADAR** systems, focusing on detection and signal processing, while assisting in system analysis and troubleshooting.
- March 2022 – April 2022  
Chennai, India

## PROJECTS

- Employee Management CRUD Application**
- A full-stack web application that efficiently manages employee and department data by integrating a **React** frontend with a **Spring Boot** backend. The application features **RESTful APIs**, **authentication**, **role-based access**, and **data visualization** using **Chart.js**. It is deployed on **Vercel (frontend)** and **Render (backend)**, with **MySQL** and **MongoDB** for data storage. Implemented **CI/CD** pipelines using **Jenkins**, containerized with **Docker**, and orchestrated using **Kubernetes** for scalability.
- Multipurpose IoT Tracker**
- The Multipurpose IoT Tracker is a versatile device that integrates GPS tracking, SOS functionality, and audio surveillance, optimized for low power consumption, designed for real-time monitoring and security applications.
- Mini RADAR**
- Built a miniature RADAR using Arduino UNO and ultrasonic sensors for proximity detection.

## SKILLS

Programming & Databases	Frameworks & Libraries	Web Technologies	Soft Skills
<ul style="list-style-type: none"><li>• Core Java</li><li>• Python</li><li>• MySQL</li></ul>	<ul style="list-style-type: none"><li>• Spring Boot</li><li>• spaCy</li><li>• Scikit-learn</li><li>• Hugging Face Transformers</li></ul>	<ul style="list-style-type: none"><li>• HTML5, CSS3, JavaScript</li><li>• REST API Development &amp; Integration</li></ul>	<ul style="list-style-type: none"><li>• Team Collaboration</li><li>• Logical Thinking</li><li>• Knowledge Sharing and Mentorship</li></ul>

## INTERESTS

- Artificial Intelligence and Machine Learning
- Embedded Networking and IoT Systems
- Web and API Development
- Digital Twin and System Integration

## CERTIFICATES

- CCNA - Introduction to Networks ( Cisco )
- Programming in Java ( NPTEL )
- Introduction to Internet of Things ( NPTEL )

## EDUCATION

<b>Bachelor of Engineering - Electronics and Communication Engineering,</b> R.M.K. Engineering College CGPA : 8.66	2020 – 2024 Chennai, India
<b>HSC, Madras Christian College Higher Secondary School</b> Marks : 79%	2019 – 2020 Chennai, India
<b>SSLC, Madras Christian College Higher Secondary School</b> Marks : 94%	2017 – 2018 Chennai, India