

DHIRAJKUMAR M

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🔗 <https://github.com/dhirajmanavalan?tab=repositories>

Professional Summary

Motivated Java Full Stack Developer with a B.Tech in Artificial Intelligence and Data Science, experienced in Spring Boot, React, and MySQL. Skilled at developing robust, AI-driven web applications and aligning technology solutions with business objectives. Strong analytical and problem-solving skills with a focus on delivering high-quality, scalable software in fast-paced environments.

Professional Experience

Software Developer Intern · [NxtSync](#)

Hyderabad · Mar 2025 - May 2025

- Utilized analytics tools to support data-driven decision-making and optimize corporate workflows.
- Collaborated with cross-functional teams to understand business requirements and deliver actionable insights.
- Gained hands-on experience in real-world software development environments.

Campus to Corporate Intern · [TAP Academy](#)

Bangalore · Jun 2025 - Present

- Participated in a structured training program to bridge academic knowledge with essential corporate skills.
- Engaged in workshops and activities focused on professional development and workplace readiness.

Projects

Real-Time Coal Transportation Monitoring & Quality Analysis ·

https://drive.google.com/drive/folders/1qtaPs99_ZlaoyKDKn_9gtvuwbH6q7-tm?usp=sharing

[Python](#) [Flask](#) [MongoDB](#) [DHT-11 Sensor](#) [Random Forest](#) [GPS](#) [Microcontroller](#)

- Designed and implemented a real-time coal transportation monitoring system to prevent theft and unauthorized transport.
- Integrated DHT-11 sensors for moisture and temperature tracking and applied a Random Forest machine learning model for coal quality prediction.
- Deployed a Proof of Value (PoV) by integrating hardware and software modules using Python, Flask, and MongoDB, resulting in improved security and operational efficiency.

Student Achievement Portal – Educational Sector ·

<https://github.com/dhirajmanavalan/student-achievement-portal-for-educational-sector>

[Java](#) [Spring Boot](#) [Hibernate](#) [MySQL](#) [HTML](#) [CSS](#) [JavaScript](#) [Web Scraping](#) [Real-Time Analytics](#)

[Role-Based Access Control](#) [Data Encryption](#)

- Developed a Java-based web platform to manage student achievements and automate event tracking, featuring role-based dashboards and real-time analytics.
- Automated event discovery through web scraping and implemented secure, role-based access control for different user types.
- Provided real-time analytics and automated notifications to monitor engagement, approvals, and upcoming events, enhancing institutional efficiency and data protection.

Education

Bachelor's in Artificial Intelligence and Data Science ·

7.44 CGPA · Jan 2021 - Apr 2025

[Bannari Amman Institute of Technology](#)

Secondary & Higher Secondary Education ·

· Jun 2018 - Apr 2021

[Vailankanni Matric Higher Secondary School](#)

Skills

Programming Languages

[Java](#) [JavaScript](#) [SQL](#) [HTML](#) [CSS](#)

Frameworks & Libraries

[Spring Boot](#) [Spring Framework](#) [Hibernate](#) [React.js](#) [Flask](#) [PEGA \(CSA, CSSA\)](#)

Databases

[MySQL](#) [MongoDB](#)

Tools & Technologies

[Git](#) [Eclipse](#) [VS Code](#) [Figma](#) [AWS](#)

Others

[OOP](#) [Collections Framework](#) [Exception Handling](#) [Multithreading](#) [JDBC](#) [RESTful APIs](#) [SDLC](#) [Agile Methodologies](#)

Certificates

PEGA - Certified Senior System Architect · PEGA	2025 - Present
PEGA - Certified System Architect · PEGA	2024 - Present