

DHIVYAPRABAN R K

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EDUCATION

B.Tech in Artificial Intelligence and Data Science,

Chennai Institute of Technology, Tamil Nadu

2024 – 2028

CGPA: 8.2

SKILLS

Programming Languages	C++, Python, JavaScript
Databases	MySQL, MongoDB, PostgreSQL
Web Development	HTML, CSS, ExpressJS, NodeJS, WebSockets
Deep Learning Architecture	LSTM, CNN, RNN
Tools & Frameworks	Git, GitHub, OpenCV, Tableau, Kaggle
Soft Skills	Problem-solving, Communication, Teamwork

EXPERIENCE

Wistriz Technologies Private Limited - SDE Intern

Nov – Dec 2025

Developed and optimized key modules — student management, attendance tracking, and academic performance monitoring — within a full-scale ERP platform serving educational institutions, improving workflow efficiency for educators and administrators.

PROJECTS

Smart Warehouse Integration: Intelligent ERP–WMS–AGV Orchestration System

<https://github.com/dhivyapraban/Smart-Warehouse-Integration>

- Architected a **cyber-physical warehouse automation system** integrating **ERPNext**, a **custom WMS**, and **ROS 2–powered AGVs** for autonomous material handling and task orchestration.
- Engineered a **task orchestration pipeline** that converts enterprise orders into real-time robotic navigation goals with synchronized status updates across ERP and WMS layers.
- Developed a **ROS 2 Fleet Adapter** leveraging **Nav2 (NavigateToPose)** for logical-to-physical coordinate translation, enabling autonomous pickup and drop execution in simulation.

Drug-Classifer-Model

<https://github.com/dhivyapraban/Drug-Classifier-Model>

- Built a **drug classification system** using a **linear regression model** with features including **MolLogP**, **MolWt**, **NumRotatableBonds**, **AromaticProportion**, and **logS**, achieving strong predictive performance (**R²** and **MSE** evaluated).
- Developed a **Flask-based web interface** with a **joblib-trained model** and **index.html frontend**, allowing users to input drug metrics and receive automated predictions, with **model creation and visualization** documented in a **Jupyter notebook**.

CERTIFICATIONS

- AI Fundamentals – IBM SkillsBuild
- PCAP: Programming Essentials in Python – Cisco
- PCAP: Programming Essentials in C – Cisco

ACHIEVEMENTS

- Secured **Second Prize (Runner-Up)** at **Codeathon 2.0** organized by **Orchestro.ai**.
- Secured **Second Runner-Up** position at **Smart Motion 2.0 Hackathon** organized by **Bonfiglioli**.