

DHANUSH K

Aspiring Software Engineer / B. Tech – Information Technology

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EXECUTIVE SUMMARY

Final-year IT student passionate about real-world problem solving. Built projects using AI, IoT, and full-stack technologies. Skilled in Python, Java, Flutter. Quick learner with strong teamwork and project experience. Enjoys turning ideas into working solutions. Eager to grow with a tech-driven, innovative team.

EDUCATION

B. Tech – information technology

Mahendra engineering college, Namakkal.

HSC

Govt. Boys higher secondary school, Kallakurichi.

SSLC

Govt. ADW high school, Niraimathi .

CGPA: 8.22

Year: 2022 - present

Percentage: 81.13%

Year: 2020 - 2022

Percentage: 84%

Year: 2018 - 2020

TECHNICAL SKILLS

- Languages:** Java, Python, C, Dart
- Web Technologies:** Html, CSS, JavaScript
- Databases:** MySQL, MongoDB (Basic Proficiency)
- Tools:** Vs Code, Figma, Ai Tools & Bots, Git, Saycheese (Cybersecurity)
- Concepts:** OOPS, DSA, Machine Learning, Deep Learning, IoT & Embedded Systems, Cybersecurity

INTERSHIPS

PulsePath application development (Puducherry Govt)

Arou consultancy service

Emergency ambulance routing system through Mobile app development using flutter

10 Months

January - Present

Full Stack Development Masterclass

NoviTech R&D Pvt Ltd

Gained practical experience in frontend, backend, and database development using full stack technologies.

1 Month

April - May 2024

Python + ML Foundations

TNSDC – Naan Mudhalvan | STEP NITK & Pantech E-Learning

Trained in Python, NumPy, Pandas, Seaborn, Matplotlib, and basic machine learning concepts.

1 Month

April 2023

Machine Learning & Deep Learning Internship

Mar Baselios College of Engineering and Technology, Trivandrum

Built a real-time face detection tool using Python, OpenCV, and Tkinter in a 4-member team.

5 Days

February 2023

PROJECTS

Movie genre prediction using posters | TensorFlow, keras, pandas, Matplotlib

Built a deep learning model using convolutional neural networks (CNN) to predict movie genres based on posters.

Status updater | Python, wi-fi, CNN

Created an android and desktop app to monitor customer queues and notify the shop owner when a customer approaches the billing desk.

Agriculture drone monitoring system (ongoing) | IoT, Raspberry pi zero 2w, CNN, wi-fi

An ai-powered drone system designed to monitor crop health, detect pests/diseases, and send real-time data for smart farming decisions.

Smart helmet for accident detection & reporting | Raspberry pi zero 2w, SW-420 sensor, Camera, wi-fi

Helmet system with impact detection, emergency alert, and real-time video logging for improved accident response and safety.

LinkedIn post generator (ongoing) | Dart, GitHub API, hugging face ai

A tool that uses artificial intelligence to generate professional LinkedIn posts based on GitHub repository content.

ACHIEVEMENTS

- Secured Second Prize in the Movie Genre Prediction using Posters event at Idaya Engineering College.
- Won Second Prize in the Status Updater competition at Government College of Engineering, Salem.