

# Dev Prashad K

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## SUMMARY

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Front-End Developer with a passion for crafting user-friendly interfaces. Adept in HTML, CSS, and JavaScript, with experience tackling back-end projects for a well-rounded web development skillset. Currently pursuing a degree at Amrita University and eager to leverage my knowledge in a professional environment.

## EXPERIENCE

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### Technical Member

May 2022 - Present

IETE Student Forum | Coimbatore, TN

- ☐ Worked on projects for Anokha Techfest.
- ☐ Developed projects based on Augmented reality using Metaspark and blender.

## PROJECTS

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### Human detection in railway track using opencv

[View in GitHub](#)

- ☐ Languages: Python
- ☐ Implemented yolo model for effective alert system.
- ☐ Optimised the model with Intel's opencv.
- ☐ Conducted detailed analysis on the implemented model.
- ☐ Gained proficient understanding on yolo v8, image segmentation, computer vision techniques.

### Fall detection using esp32 board

[View in GitHub](#)

- ☐ Language: c++
- ☐ Developed custom Fall Detection system using ESP32 microcontroller.
- ☐ Implemented using SIM808 and MPU6050 sensor.

### Cracked Egg detection using ML Techniques

[View in GitHub](#)

- ☐ Languages: Python (scikit learn).
- ☐ A full fledged ML project.
- ☐ Implemented KNN and SVM algorithms.

## CERTIFICATIONS

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Data Analysis with Python (IBM)

[View credentials](#)

Introduction to java - (Coursera)

[View credentials](#)

AI For Everyone - (Coursera)

[View credentials](#)

Python certificate- (HackerRank)

[View credentials](#)

## EDUCATION

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### **Bachelor of Technology - BTech** (*Computer Science*)

June 2021 - Present (2025)

Amrita Vishwa Vidyapeetham (Coimbatore)

GPA – 7.01

### **High School (12th)**

July 2019 - May 2020

Vidyasagar International Public School

Percentage – 90.4%

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## Programming Workflow and Skills

- Backend Development: Flask, Node, Ruby
- Machine Learning: TensorFlow, PyTorch, Scikit-learn
- Data Analytics/ Data Science: Pandas
- Computer Vision: OpenCV, Roboflow
- Cloud Platforms/ Cloud Services: Zoho Catalyst, Microsoft Azure
- Containerization: Docker
- Programming Languages: Python, Java , C
- Competitive Programming: Proficient in Python (Leetcode, Hackerrank)