

Basil Varghesekutty

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portfolio-rbd2.vercel.app

Professional Summary

Aspiring Machine Learning Engineer and dedicated Computer Science student with strong foundations in Python, statistics, and machine learning concepts. Eager to apply academic knowledge and project experience to real-world AI challenges and contribute to impactful ML solutions.

Education

Government Engineering College Idukki Bachelor of Technology in Computer Science	2021 – 2025
MGM HSS, Kuruppambady Higher Secondary Education	2019 – 2021
Santom Public School, Thungaly High School Education	2016 – 2019

Projects

Integrated Attendance Monitoring and Fight Detection

Developed a machine learning model to detect fights in live camera feeds and integrated an attendance marking system for classrooms using the same feed.

- Designed a web portal for faculty to monitor and manage classroom attendance efficiently.
- An alarm system was integrated to automatically trigger real-time alerts whenever a fight is detected.

Edu-Pulse Hub

Designed and developed a web-based platform for collegiative environment.

- Created a platform that allows students to share academic activities and materials. Implemented a user-friendly interface for students to interact each other and share thoughts and activities.

Admin Panel For Train Booking

- Built an admin panel for a person to book tickets for train. Implemented features for viewing, updating, and managing booking details, customer information and train status.

Technical Skills and Interests

Languages: C, Python, MySQL

Frameworks: Pandas, NumPy, Power BI, PySpark

Hard Skills: Exploratory Data Analysis (EDA), Apache Airflow, Tableau

Relevant Coursework: Data Structures and Algorithms, Database Management Systems, Operating Systems, Object Oriented Programming, Deep Learning, Data Mining

Areas of Interest: Data Science, Machine Learning

Soft Skills: Leadership, Self Learning, Problem Solving, Teamwork, Communication

Extracurricular Activities

Arts Club Secretary College Union, GECl	2023 – 2025
<ul style="list-style-type: none">• Facilitated and supported various initiatives, organizing events to promote arts and culture in college.	
PES Technical Coordinator IEEE Student Branch, GECl	2022 – 2023
<ul style="list-style-type: none">• Conducted various IEEE events, contributing to the organization and execution of technical events and managing.	