

Dheetchana K

PREFINAL YEAR - B.E CSE

SUMMARY

Enthusiastic Computer Science student with expertise in machine learning, full-stack development, and database management. Skilled in deep learning, web technologies, and AI-driven applications, with strong problem-solving abilities. Passionate about building optimized solutions and committed to continuous learning.

PROJECTS

Image Classification for Wildlife Conservation

May 2024 - Jul 2024

Developed an AI-based wildlife image classification model using **MobileNet and InceptionV3**, optimizing accuracy through data preprocessing. Designed a **UI for real-time bird species identification** and validated performance against existing research.

Air Quality prediction and Analysis In India

Jan 2024 - Feb 2024

My project leveraged cutting-edge algorithms like **gradient descent optimization and naive forecast** techniques to pioneer accurate air quality predictions. By integrating data exploration methodologies, we delivered innovative insights crucial for environmental sustainability initiatives.

SIH'23 - Udyog Saarthi

Dec 2023 - Dec 2023

A progressive Web and Mobile Application aiding adults in job coaching for 4% reservation opportunities. Leveraged Python for web scraping, HTML/CSS/JS with MongoDB for the web application, and Flutter for the mobile app interface.

Inventory Management System – PACCAPRO

Mar 2024 - May 2024

Developed a real-time **Inventory Management System** using **YOLO for object detection** and a **custom QR code scanner** for efficient inventory tracking. Integrated a backend database to ensure accurate and up-to-date records.

LEADERSHIP ROLES

GDG on Campus - Cloud lead

Computer Society of India - Event Organizer

CONTACT

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in <https://www.linkedin.com/in/dheetchana-k-4773b1255/>

SKILLS

Programming Languages:

- Python, C, Java, HTML/CSS

Machine Learning & Data Science:

- Deep Learning, Data Analysis, Python libraries

Database Management & Web development:

- MySQL, MongoDB, Django, flask

EDUCATION

BE Computer Science and Engineering

Ramco Institute of Technology , Rajapalayam

Oct 2022 - Jun 2026

CGPA: 8.89

AWARDS

Smart India Hackathon '23 Winner

Central Government of India

Code Fusion Challenge Winner- GDSC

Technical Paper Presentation (Winner - Zonal&State level)

SAE INDIA

CERTIFICATION

JavaScript Programming Essentials

IBM (Coursera) 2024-12-06

Introduction to MongoDB (for Students)

MongoDB (ICT Academy) 2024-10-13

INTERNSHIPS

Technohacks - Oct 2023 - Nov 2023

Cyber security internship - Gained hands-on experience in Oracle VM installation, password cracking, and mail phishing detection, along with vulnerability assessment and risk mitigation.