

V MATHESH

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Leetcode: <https://leetcode.com/u/mathesh27/>



CAREER OBJECTIVE

To secure a challenging and responsible position in a progressive organization that values innovation, continuous improvement, and professional growth. I aim to apply my technical expertise, analytical skills, and project coordination experience to develop efficient, scalable solutions aligned with organizational goals. Committed to excellence and driven by a passion for technology, I strive to contribute meaningfully to both individual and team success.

EDUCATION QUALIFICATION

- **Bachelor of Engineering - Computer Science and Engineering**

CMR Institute of Technology, Bengaluru.

8.83, 2026 [Pursuing]

- **12th Grade - Science**

Kendriya Vidyalaya ASC Centre, Bengaluru

80.6%, 2022

- **10th Grade**

Kendriya Vidyalaya ASC Centre, Bengaluru

89.2%, 2020

TECHNICAL SKILLS

Programming Languages: Python, C, Java

Frameworks and Libraries: Flask, Flutter, Bootstrap

Software Tools: Visual Studio Code, WordPress, MS Office Suite, Google Workspace, Xcode, Android Studio, Eclipse, Keil µVision, Solid Edge

Operating System: Linux, Windows, macOS

Version Control: Git, GitHub, GitLab

Databases: SQL, MySQL, MongoDB, NoSQL

Web Technology: HTML, CSS, JavaScript, React.js

Cloud Services: GCP, AWS, Microsoft Azure

DevOps Tools: Azure DevOps, Docker

PROJECTS

- **Title:** Apartment Management System

Description: Designed and developed a user-centric web application tailored for **apartment facility management**, focusing on streamlining plumbing and **electrical service requests**, managing party hall bookings, and maintaining centralized **resident information**. The platform enables automated service tracking, efficient scheduling, and secure communication between residents and the management team.

Tech Stack: HTML, CSS, JavaScript, Python (Django).

- **Title:** AI-Powered Basketball Analytics System

Description: CourtVision is an AI-driven basketball analytics platform designed to deliver real-time insights by automatically detecting and **tracking players**, the ball, and in-game actions. The system recognizes movements such as dribbling, shooting, and passing, and identifies fouls like **traveling** or illegal screens using rule-based logic. It processes match footage to generate precise annotations and visual overlays, offering **data-driven** feedback for coaches, referees, and analysts.

Tech Stack: Python, PyTorch, YOLOv12, HRNet, DeepSORT, TensorRT, OpenCV, Roboflow, Streamlit, Flask.

- **Title:** Personalized Learning Software
Description: Bandhu is a scalable and secure digital learning platform designed to facilitate structured education through centralized content management, learner progress tracking, integrated assessments, and role-based access for administrators, educators, and students. The platform enhances teaching efficiency, simplifies content delivery, and provides data-driven insights to support personalized learning and informed academic decisions.
Tech Stack: Python, MySQL, GitHub, HTML, CSS, JavaScript.
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INTERNSHIPS

- **Company Name:** Spirea Arch Pvt Ltd
Duration: May 2025- Present
Designation: Software Development Intern
Responsibilities:
 - Developed and maintained full-stack features for music and ed-tech web platforms.
 - Assisted in debugging and resolving software issues to improve application reliability and performance.
 - Integrated RESTful APIs with database operations to ensure dynamic content and a seamless user experience.
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CO-CURRICULAR & EXTRA CURRICULAR ACTIVITIES

- **Hackathons:**
 - **Finalist** of **Code Red Hackathon** conducted by **BMSIT**, 2025.
 - Competed in prestigious **Nokia Student Hackathon**, 2025.
 - Team Lead in **Vyuhatech National level Hackathon** at **CMRIT**, 2024
 - Certified in **CraftNCode Techno Management** by **IIIT Bhubaneswar**, 2024.
 - Recognised by **Rapid Innovation Challenge** held by **IEEE Young professionals**, 2024.
 - **Technical Clubs:**
 - **Head** - RARE (Reality Augmentation and Reality Expansion), CMRIT
 - **Technical Member** - FOSS (Free Open Source Software) Cell, CMRIT
 - **Social Media Head** - ACE (Association of Computer Engineers) Club, CMRIT
 - **Coordinator** - Cybernauts (AI/ML) Club, CMRIT
 - **Online Courses and Certifications:**
 - **Google Cloud Arcade** program by **Google Cloud**.
 - **JavaScript and PHP** programming from Udemy.
 - **Cybersecurity** from **IBM SkillsBuild**.
 - **Data structures** and **Algorithms** from **Infosys Springboard**.
 - **Sports:**
 - Active **VTU** and Inter-collegiate **Kabaddi** player.
 - Certified **Karate** practitioner.
 - **Additional Responsibilities:**
 - Currently serving as the **Student Placement Coordinator**.
 - Served as the **Class Representative** in 1st and 2nd semester.
 - Working as **Team Lead** for API integration at **Spirea Arch Pvt Ltd**.
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ACHIEVEMENTS

- Placed **2nd** in **Energy saving Elocution** by ENSAV CMRIT, 2023
 - Rewarded **₹5,000** by **Rashtriya Sanskrit Sansthan** (Govt.) in 10th Board, 2020.
 - Secured **2 Silver medals** in **Karate National Championship**, Mysore- Summer 2017.
 - Bagged **2nd prize** in Essay competition conducted by **CPWD** (Govt.) for Corruption-free society, 2016.
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PERSONAL DETAILS

Date of Birth : 27 January 2005
Gender : Male
Nationality : Indian
Linguistic Competency : English, Hindi, Tamil, Kannada
Hobbies : Singing, Cooking