# Rachana Muthukumar

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## EDUCATION

**BMS Institute of Technology and Management**         **Bengaluru**
*Information Science Engineering (CGPA-9.47)*         *2022-2026*

*Motivated engineering student with strong problem-solving, analytical, and communication skills. Proficient in task prioritization, time management, and collaboration. Eager to apply technical knowledge in real-world settings and continuously grow as a professional.*

## PROJECTS

- **Stress Detection System using Deep learning and Image processing -** Developed a web-based system using VGG16 and FACS to detect stress levels based on facial images in real-time and uploaded images.
- **Water Quality Detection System** - It is based on ML, used to find the quality of water in a given area based on the datasets.
- **Resume Website** - A multi-page website built using HTML that showcases a person's qualifications, including education, experience, skills, and achievements.
- Developing a **healthcare management website** using **React and PostgreSQL,** integrating an **AI chatbot** for seamless appointment booking and secure health record management.
- **Blog Website Deployed on AWS** - Built using HTML, CSS, and JavaScript, A website on the greenery of my college BMSIT.
- **Snapshot Stories** - Developed a responsive website dedicated to nature photography. Utilized JavaScript, HTML, and CSS to create an engaging and user-friendly interface, ensuring seamless performance across devices.
- **To-Do List** - Created a to-do list application with features for adding, editing, and completing tasks. Users can set deadlines with specific date and time. Developed using HTML, JavaScript, and CSS for a smooth and interactive user experience.

## ORGANISING  EXPERIENCE

- **Design Team Associate** - Coding Club Of BMSIT, Designs the poster for the events organised by the club.
- **Hospitality Team Lead,** Coding Club Hackathon: Managed logistics and hospitality for guest speakers and evaluators, ensuring smooth event execution for 200+ participants.
- An  active member of the **Eco club**. Coordinated many events for the Eco Club, such as Environment  Day, E waste Drive, and Nat Quiz, NatNexus.
- **Member of Rotaract Club**- Participated in Events like pages of generosity, and Paws for a cause.

## SKILLS & INTERESTS

**Programming Languages:** C, Java, Python, JavaScript.
**Software Technologies:** HTML, CSS, Full-Stack Development, React, Django.
**Soft Skills:** Time Management, Team Collaboration, Communication.
**Language:** English, Telugu, Hindi, Kannada, Tamil.
**Internships:** IEEE CS Internship, SkillCraft Technology (Web Development Internship).
**Publications**: Water quality prediction (*IEEE*) and Stress detection using Deep learning and Image processing techniques (*River Publications*).
**Interests:** Dancing - Bharatnatyam, Listening to Music, Sports (TT, Badminton), Drawing, Painting.