

# Preetham Mascarenhas

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## EDUCATION

<b>Vivekananda College of Engineering and Technology</b> <i>Bachelor of Engineering in Computer Science</i> CGPA: 8.28	Nehru Nagara, Puttur May 2024
<b>St Philomena PU College</b> PCMB Percentage: 90.0%	Darbe, Puttur July 2020
<b>St Philomena Aided High School</b> SSLC Percentage: 94.24%	Darbe, Puttur May 2018

## PROJECTS

- Chat Application** | *MongoDB, Express.js, React.js, Node.js*
- Developed a real-time chat application using the MERN stack.
  - Implemented Socket.io for messaging, user authentication, and responsive design for a seamless user experience.
- Object Detection with Audio Indication for Visually Impaired People** | *OpenCV, Python, Machine Learning*
- Engineered an object detection system for visually impaired individuals using Raspberry Pi 4, COCO dataset, YOLOv4-tiny algorithm, and Darknet architecture.
  - Provided real-time audio feedback for identified objects to enhance accessibility and independence.
- Online Catering Reservation System** | *MySQL, JavaScript, HTML, CSS*
- Created an online catering reservation system enabling users to book services, customize menus, and manage orders.
  - Built using a robust backend and intuitive user interface to streamline the reservation process and enhance user experience.
- Blood Bank App** | *Android Studio, Java, Firebase*
- Designed a Blood Bank mobile application using Android Studio to bridge the gap between blood donors and recipients.
  - Incorporated user-friendly features like real-time blood donation requests, donor registration, and location-based donor search functionality.

## TECHNICAL SKILLS

**Languages:** C, HTML, CSS, JavaScript, Java  
**Developer Tools:** VS Code, Android Studios, Code Blocks, NetBeans  
**Library:** React.js  
**Databases:** MySQL, MongoDB  
**Areas of Interest:** Web Development, Android Application Development  
**Others:** Problem Analysis and solving, Teamwork, Time Management, Decision-making

## COMMUNICATION

**Languages known:** English, Kannada, Hindi, Konkani

## COURSES AND CERTIFICATIONS

- The Complete JavaScript Course 2023: From Zero To Expert!** | *Udemy*
- Successfully finished Udemy's 'Complete JavaScript Course 2023: From Zero To Expert!' by John Schmedtmann, attaining proficiency in advanced JavaScript and web application development.

## Internship

- Thaniya Technologies** | *Full Stack (MERN stack)*
- Pursued an internship in full-stack web development with the MERN stack. Contributed to real-world projects, excelling in both front-end and back-end development. Proficient in scalable UIs and server-side APIs, adaptable in dynamic team settings.