PREETHIKA R

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CAREER OBJECTIVE

      To get an opportunity where I can utilize my skills and knowledge to drive innovation, solve problems and contribute effectively to the organization's growth and success.

ACADEMIC BACKGROUND

Course	Institution	Year of passing	Percentage / CGPA
B.E Biomedical Engineering	Karpagam Academy of Higher Education, Coimbatore.	2022-2026	9.2*
HSC	Sri Ragavendra Matric Higher Secondary School, Sathyamangalam.	2022	85.33
SSLC	Sri Ragavendra Matric Higher Secondary School, Sathyamangalam.	2020	96.6

INTERNSHIPS

- **CSIR-Central Electrochemical Research Institute, Karaikudi, during May 2024.**

Outcome - Successfully completed training in advanced chromatography and spectroscopy techniques, enhancing practical skills in chemical and biological analysis.

- **SUNSHIV Electronic Solutions, Coimbatore during November 2023.**

Outcome - Gained hands-on experience in circuit creation, troubleshooting, PCB designing and assembling, applying fundamental drawing skills to improve functional electronic systems.

PROJECTS

- **Title:** Doctor Appointment Management System

Abstract: Built a responsive web app for scheduling doctor appointments with role-based access for patients and doctors. Implemented dynamic booking, user authentication, and real-time schedule management using React.

- **Title:** Deep Learning–Enabled Detection of Dental Caries Using Mobile Intraoral Images

Abstract: Created an AI-driven solution that analyzes mobile dental images to identify cavities and oral diseases, promoting early detection and accessible dental care.

- **Title:** AI-Powered Placement Preparation Guide

Abstract: Designed and deployed a smart AI website that serves as a comprehensive guide for placement preparation, using Bolt AI's no-code platform. Applied prompt engineering to deliver personalized responses on resume tips, interview guidance, aptitude practice, and technical topics.

AREA OF INTEREST

- Software Development
- Web Development
- Healthcare Systems
- Product design and development

TECHNICAL SKILLS

- Programming Language: **C**, **C++**, Java (Basics)
- Web Development: HTML, CSS, JavaScript, React
- Platforms: Bolt AI, Open Weaver
- Software: MS Office

STRENGTH

- Quick learner
- Team collaboration
- Good communication skills
- Proactive Thinker

ACHIEVEMENT

- Received **Meritorious Award every year** for maintaining excellent academic performance.
- Course completed in **"Introduction to IoT"** and **"Biomechanics"** with **Elite + Sliver** certificate offered by **NPTEL** during Jan-Apr 2025.
- **Finalist** – Hackathon 2025, organized by ICT Academy, Salem recognized for innovative problem-solving and project development skills.
- Secured **II Prize** in Ekklesia-23 organized by Ramakrishna Engineering College, Coimbatore during Oct 2023.
- Secured **II Prize** in **Paper Presentation** and **III Prize** in **PCB Fabrication Contest** organized by P.A College of Engineering and Technology, Coimbatore during Feb 2024.

CERTIFICATES

- Course completed in **"SQL"** offered by **Scalar.**
- Course completed in **"Cloud Computing"** offered by **Scalar.**
- Course completed in **"Computer Networking"** offered by **Simplilearn**.

DECLARATION

I hereby confirm that all the details furnished above are authentic and accurate to the best of my belief.

Place: Coimbatore.   [PREETHIKA R]