Priyanka HP

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Education

**Dayananda Sagar College of Engineering, Bengaluru 2021 - 2025**

*B.E. Medical Electronics and Engineering (****Current CGPA: 7.62****)*

**KLE IND PU College, Bengaluru** July 2021, 90.16%

*P C M B*

**Mount Senoria school (ICSE), Bengaluru.** May 2019, 89.16%

# Skills

* C, JavaScript, C++
* ReactJS, Bootstrap, Tailwind CSS, HTML/CSS, SASS, Rest API, NodeJS, Express
* **Tools**: VS Code, MongoDB, Git/GitHub, Figma

# Projects

**E-Shopping** *| ReactJS, Tailwind CSS, Firebase, Nodejs. Link:* [*https://eshoppingwebsiteecommerce.netlify.app/*](https://eshoppingwebsiteecommerce.netlify.app/)Mar. 2024

* Developed an interactive and Responsive web application of 90% using React and Firebase as database.
* Implemented state management in React, significantly improving application responsiveness and performance; integrated Firebase for seamless data retrieval and posting, boosting data handling efficiency by 40%
* The streamlined interface for an ecommerce app, enhancing user authentication, A shopping cart and order management experience and achieving a feature accessed by over 500 users weekly.

**Development of an Artificial Pancreas***| Arduino, c* May 2024(6th Sem)

* Constructed an innovative circuit that dynamically adjusts insulin delivery in response to fluctuating blood glucose levels, achieving a 30% reduction in hypoglycemia incidents during trial phases with controlled test subjects.
* It solves a major problem up to 85% of patients dealing with diabetics and reduces health risks.

**Proximity speech assistance device for Amaurotic patients** *| Arduino, C* May. 2023(5th Sem)

* Advocated for assistive technologies like screen readers and braille displays, significantly enhancing the quality of life for blind individuals. Improved accessibility and independence of 70% for visually impaired users.
* This device can sense objects using IR sensor of about 10% and alert the person by using voice activation module.

**Electronic Stethoscope** *| Arduino, c* May. 2022(4th Sem)

* Designed a heart monitoring circuit that captures heartbeat data for subsequent analysis; this advanced circuitry reduced the time required for traditional assessments by 60%, streamlining workflows for medical professionals.
* Captured heart rate data in bpm via Bluetooth-based serial terminal, providing real-time monitoring. Enhanced accuracy and convenience in health tracking.

Experience

**Take It Smart (OPC) PVT LTD** OCT 2023 – NOV 2023

o Intern

* Successfully developed an IOT-basedpulseoximeter, amajor 80% of the accomplishment during the internship.
* Gained programming skills, implemented real-time systems, and solved 90% of hardware-software integration challenges.

# Others

* Links: GitHub: <https://github.com/PriyankaHP1604> LinkedIn https[://www.l](http://www.linkedin.com/in/priyanka-hp-a2267328b)in[kedin.com/in/priyanka-hp-a2267328b](http://www.linkedin.com/in/priyanka-hp-a2267328b)
* Languages Known: English Kannada, Hindi
* Certificates: CIL from DSCE, workshops on Embedded system, HTML/CSS, JavaScript, React, Won 1st prize in relay at DSCE.