

# KARUNAGARAN A

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## OBJECTIVE

I am looking for a career to enhance and explore my technical knowledge to contribute my skills and talents to the company and to keep on learning in my field and also looking forward to grow inside the organization.

## EDUCATION

**Bachelor of Information Technology (2020 – 2024)-** Nandha Engineering College  
**CGPA: 9.214**

**HSC (2020)–** Jeevan Matric Higher Secondary School

**Percentage :66.34**

**SSLC (2018)–** Jeevan Matric Higher Secondary School

**Percentage :86.4**

## PROJECTS

### College Canteen Food Ordering System

- Develop full-fledged College Canteen Food Ordering System using **MERN Stack, as MongoDB, Express.js, React.js, Node.js**.
- Utilized **Redux** toolkit for Personalized recommendations that recommend relevant products and boost conversions.
- Deployed **Node.js** that efficiently **interact with MongoDB** for storing and managing product, user, and order data.
- Deployed **RESTful API** for initiating to connect **Google Pay** payment gateway to securely handle transactions.
- Utilized **Content Delivery Networks (CDNs)** to help **reduce latency** and to achieve real-time updates.
- Optimized **Pre-render HTML** page on server that reduce page load times by 28% and gives better SEO performance.
- Designed and **implemented a responsive user interface** for **optimal user experience** across devices.
- Utilized **containerization technologies** like **Docker** for flexible deployment and management.

### Smart Landmine Detecting Shoes with Spot revealer

- Developed innovative smart landmine defender shoes featuring an integrated **spot revealer**, utilizing **IoT technology**. These shoes not only provide **protection against landmines** but also disclose their location, enhancing **safety and awareness**.

## Technical Skills

- Hands on experience in **Front-End** language at **HTML5, Tailwind CSS3, JavaScript**.
- Proficient in **back-end** programming languages, particularly **JavaScript** and **Python**, with an intermediate level of expertise.
- Proficiency of **Database** Language in **MongoDB, SQL**.
- Intermediate in **Programming skills** of **C, Python**. Basic Knowledge about **AutoCAD** and **VMWare**
- Familiar with Version Control System like **Git** and **bitbucket**. Experienced in **RESTful API** and **MVC**.
- Hands on experience in Language **Framework** technologies at **react.js, Node.js, Bootstrap**.
- Familiar with **Software Development Life Cycle, JIRA, Data Structures** and **algorithm**.
- Proficient in **LINUX/UNIX** OS. Good knowledge in **MS WORD, MS EXCEL** and **MS Office suites**.

## Personal Skills

- Possesses great **analytical** and **problem-solving** skills. Ability to **think rationally** and thoughtfully.
- A **team player**, good at **working collaboratively** in **cross platform** with peoples in order to **achieve a goal**.
- Has the capability of **leadership** to guide teams and have **adaptability** to changing circumstance.
- Ability to learn new tools and technology.

## Certifications and Achievements

- **Agile methodology using Scrum Certification** by Infosys Spring board
- Certified on **Web designing** Inplant training in **Nurture Infotech**.
- Engaged in the event of **CODE HUNTER** and secured the first prize, which included a cash reward.
- Led the events of **TECHNERDS** and **TECHTHEASARUS** organized by the department of Information Technology in Nandha Engineering College.
- Actively participated in the **THINK CREATE ENGINEER** Program, conducted by **PALS** at the **IIT Madras Campus** and done a mini project as a group on the topic **DESIGNING A PHONE CASE THAT ABSORBS SHOCK** and we securing a **cash prize** for designing the Phone Case Model