

## **NITISH RAMARAJ**

**Email:** [nitishramaraj@gmail.com](mailto:nitishramaraj@gmail.com); **Phone:** +91 89516 21907; **Website:** [www.nitishramaraj.com](http://www.nitishramaraj.com)

### **OBJECTIVE**

- Aspire to pursue a master's in computer science.
- Determined to advance software development and research skills, incorporating cutting-edge technologies to engineer impactful solutions for real-world problems.
- Aiming to continue building on an entrepreneurial journey, with a focus on developing the foremost healthcare ERP software to persistently address and overcome challenges within the industry.

### **ACADEMIC QUALIFICATION**

- Btech. Computer Science – 8.6/10 GPA **August 2021 – June 2025**  
Vellore Institute of Technology, Vellore
- 12<sup>th</sup> Grade. Science Stream – 92% **April 2020 – April 2021**  
Expert Pre-University College, Mangalore
- 10<sup>th</sup> Grade. – 90% **June 2019 – May 2020**  
Expert Pre-University College, Mangalore

### **PROJECTS / RESEARCH**

**Title:** Behavioural Security Integration for Advancing Healthcare Security

**Summary/Description:**

The research paper focuses on enhancing cybersecurity in healthcare information systems by integrating behavioral security measures. The study introduces an additional layer of security that analyzes user behavior to detect and predict authentic interactions. The research contributes to ongoing efforts to fortify healthcare information systems against potential threats, showcasing my commitment to advancing data protection in critical sectors.

**Title:** Gesture Based Controls using Computer Vision

**Summary/Description:**

Gesture-Based Controls using Computer Vision, employing innovative computer vision techniques to interpret and respond to user gestures. The goal was to create an intuitive and hands-free interface for interacting with systems. This project reflects my dedication to exploring and implementing cutting-edge solutions in the realm of human-computer interaction, emphasizing user-friendly and immersive control mechanisms.

**Title:** Pose Estimation for Enhanced Gym Experience

**Summary/Description:**

The "Pose Estimation for Enhanced Gym Experience" project employs computer vision for real-time tracking and analysis of body movements during workouts. This enhances the gym experience by providing personalized feedback, form correction, and performance evaluation, optimizing exercise effectiveness, and reducing injury risks.

### **WORK EXPERIENCE**

**SDE Intern, Invenger Technologies**

**January 2023 – December 2023**

- Proficiently utilized Python, Django, PostgreSQL and Svelte in executing ERP implementations across diverse industries in Middle Eastern countries.
- Instrumental in achieving a remarkable 1.5X revenue growth within a short timeframe.
- Streamlined operations, enhancing efficiency and smooth workflows.
- Significantly improved customer experience through optimized processes and seamless operation

### **COMMUNITY WORK**

**Leo Club, Vellore**

**September 2021 – December 2022**

- Contributed to serving food to those in need, addressing issues of hunger and supporting the local community.
- Facilitated a successful fundraising campaign to provide essential resources for school children, ensuring their educational needs are met.
- Collaborated with local authorities in tree planting initiatives and cleaning public spaces, promoting a "go green" mindset within the community.

**Indian Society for Technical Education, Vellore**

**August 2021 – February 2023**

- Conducted multiple hackathons, tech fests, and webinars, imparting technical knowledge to over 100,000 participants.

- Reached out to high schools, guiding students in choosing engineering as a career path through informative sessions.
- Conducted basic computer knowledge classes, benefiting more than 500 high school students in acquiring foundational skills.
- Served as the keynote speaker for numerous web development-related webinars, both online and offline, drawing registrations from over 1000 students.

#### **TECHNICAL SKILLS:**

**Programming Languages:** C/C++, Python, and JavaScript

**Frameworks:** Node JS, Svelte, Django, Bootstrap/ Tailwind CSS, MySQL/ PostgreSQL, and MongoDB

**Software Functional Skills:** Odoo ERP, Figma, Jira, Salesforce, and Canva

#### **CERTIFICATIONS:**

- AWS Certified Cloud Practitioner
- OpenCV Expert
- NodeJS Master

#### **EXTRA-CURRICULAR/ CO-CURRICULAR**

- Earned a spot among the top 20 individuals with an entrepreneurial mindset at the university, leading to participation in the IIT-Madras Startup Incubation Center Visit.
- Achieved the position of 2nd runners-up as a state-level badminton player.
- Coordinated the flagship tech event of the university, managing participants and guests from around the globe.