Jayachandhran Saravanan

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**SKILLS**

* **Forward-thinking strategist** proven by strong analytical skills on successful deliverables to diverse research-driven projects
* **Rapid skill acquisition**, a self-start learner with the ability to quickly update with new technology and trends to make valuable contributions
* **Team Catalyst** skilled in creating a positive work culture and maintaining a cohesive team environment
* **Tenacity and Perseverance** as a team player, exhibiting work ethic and persistent approach to challenging task objectives

**CORE SKILLS**

* Highly experienced in automation, data analytics, MLOps and computer vision
* Competent in C, C++, Python, Django, Linux, Network, Git, Embedded C, R and shell scripting
* 5 solid years of logical programming and object-oriented programming expertise (OOP)
* Cloud: AWS, Azure and Server handling, Power BI, Tableau, Version control system (Gitlab, Bitbucket)
* System Engineering: Arduino, Proteus, Octave, Eagle PCB, LabVIEW
* Hands-on experience with Raspberry Pi, Intel boards, Jetson Nano, and Odroid edge computing boards
* Microsoft, Google and Zoho suite

**EXPERIENCE**

Research & Development Engineer (Startup) **Sep 2022- Jul 2023**

Logy.AI, Nex Fitzap Pvt Ltd. Hyderabad, India

* Managed projects worth more than $2 million for global clients from Europe, East Africa, and South Asia
* Worked in the integration of computer vision-based AI inferences into a chatbot for the creation of a comprehensive primary screening platform in healthcare dedicated to dental and ocular
* Coordinated data analytics team on increasing user queries and impacted over a million lives

Senior Software Engineer **Nov 2020- Sep 2022**

Tamil Nadu e-Governance Agency, India, Center of Excellence Chennai, India

* Implemented a low-cost proprietary face recognition system in 50+ public schools and piloted liveness detection for seniors to remove face-to-face validation for pension scheme
* Played a pivotal role in an agriculture-related project by annotating 12 different crops and identifying 35 varieties of pests. This effort significantly
* contributed to the advancement of agricultural technology by introducing pest-detection AI modules in mobile devices. A total of 12 different crops with 35 pest varieties were involved in the pest management initiative

Associate Fellowship **Jan 2019 - Jul 2019**

Forge Accelerator, India, Innovation & Business Incubator Coimbatore, India

* Secured selection for a fully funded fellowship program during the pre-final year of graduate
* Validated over 200 problem statements and crafted a project sandbox in accordance with client requirement rubrics, displaying a great grasp of project development.
* Received significant coaching in methodologies such as proof of concept, rapid prototyping, minimum viable product, and elevator pitch techniques, demonstrating diversity in project approaches.

**VOLUNTEER WORK**

President  **Jun 2018 - May 2020**

Student for Exploration and Development of Space Science (SEDS), India

* Spearheaded a student-run project involving flight computers and controllers. Established a sounding rocket team, contributing to experiments in aerospace technology
* As head of the technical cohort, I guided the team to win the International CANSAT League in 2018, providing strategic advice and contributing as an embedded developer

Student Ambassador

Swachh Bharat Mission, Chennai, India  **Aug 2016 - Dec 2016**

* Part of campus hygiene and sustainable team

**EDUCATION**

Artificial Intelligence & Machine Learning  **Aug 2023 - May 2025**

Lambton College, Toronto, ON, Canada

* GPA- 3.65/4.0
* Outreach lead in Google Developer Student Club

Bachelor of Engineering in Mechatronics  **Jul 2016 – Apr 2020**

Anna University, Chennai, TN, India

* GPA - 9.0/10
* Best Outgoing Student award

**AWARDS/ACTIVITIES**

* Patent holder for a novel flight computer control system. (IP.APP.No. 2021/4/10/29531)
* Department Gold Medalist (UG)
* Recipient of the Mahatma Gandhian Scholarship for four consecutive years
* Runner up in Smart India Hackathon (2018)
* Volunteer member of Covid-19 first line defence team
* Participated in Bell- Geek Fest Hackathon 2023
* Published a white paper in the E-Governance journal explaining the “role of edge computing in the field of Machine learning and Data science”

**LINKS**

<https://github.com/svjai>

<https://www.linkedin.com/in/jayachandhran-s-92085912b/>