

# Jayananden Meenakchisundaram

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in linkedin.com/in/jayananden

## Summary

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Currently pursuing my Master's degree at Trinity College Dublin. Software Engineer with experience in Agile environments, skilled in clear technical communication and cross-team collaboration. Seeking challenging roles with strong learning opportunities that push boundaries and deliver impactful solutions at the intersection of AI, software development, and scalable systems

## Education

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<b>Trinity College Dublin</b> <i>MSc Computer Science (Intelligent Systems)</i>	<i>Dublin, Ireland</i> <i>Sept 2025 – Present</i>
◦ <b>Current Modules:</b> Machine Learning, Advanced Software Engineering, Scalable Computing	
<b>Kumaraguru College of Technology</b> <i>BE Mechatronics Engineering</i>	<i>Coimbatore, India</i> <i>July 2018 – Apr 2022</i>
◦ CGPA: 9.1/10	

## Experience

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<b>Software Engineer</b> <i>Bosch Global Software Technologies</i>	<i>Coimbatore, India</i> <i>Oct 2022 – Aug 2025</i>
◦ Built and maintained <b>CI/CD pipelines</b> with Jenkins, Gerrit, and JFrog Artifactory, reducing the build cycle time by <b>25%</b> and supporting a <b>20-member infotainment team</b>	
◦ Co-developed a <b>infrastructure provisioning tool</b> with Docker & Kubernetes across Ubuntu, Yocto, and QNX, streamlined setup for <b>50+ developers</b>	
◦ Designed a <b>microservices-based QA automation system</b> using log parsers & sentence transformers, cutting manual bug ticketing effort and accelerating resolution speed	
<b>Project Trainee</b> <i>Bosch Global Software Technologies</i>	<i>Coimbatore, India</i> <i>Apr 2022 – Jul 2022</i>
◦ Developed an internal <b>bug tracking &amp; discussion web app</b> (React.js, Node.js, MongoDB) with ML-based semantic search, reducing duplicate bug reports	

## Projects

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<b>Robocon 2019 (College Team Project)</b>	<i>Raspberry Pi, Python</i>
◦ Built embedded control algorithms for <b>autonomous navigation</b> with trajectory-based motion planning & real-time sensor integration	
◦ Designed mechanical components in SolidWorks, improved robot performance through motion planning and feedback control	

## Skills

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**Programming Languages:** Python, C, C++, JavaScript, Groovy  
**Frameworks/Libraries:** TensorFlow, PyTorch, React  
**Tools/Platforms:** Jenkins, Docker, Kubernetes, Grafana, Git, Gerrit, Ansible  
**Databases:** MySQL, MongoDB  
**Languages:** English (Fluent), Tamil (Native)  
**Soft Skills:** Problem-solving, Teamwork, Adaptability, Time management

## Certifications

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- **Deep Learning Specialization (Coursera)** – Hands-on training with CNNs, RNNs, and transformers using TensorFlow
- **Design Thinking for Innovation (Coursera)** – Applied design thinking to opportunity recognition, idea generation, and user-centered problem solving
- **Build a Modern Computer from First Principles (Coursera)** – Practical understanding of computer architecture

## Honors & Awards

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- Postgraduate E3 Balanced Solutions for a Better World Scholarship (€3,000) Trinity College Dublin, Awarded for academic excellence as part of Trinity's E3 initiative
- Mahatma Gandhi Scholarship Award Kumaraguru College of Technology, merit-based recognition for consistent academic performance

## Extracurriculars

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### **Software Development Team Lead**

*Aug 2020 – Oct 2021*

#### *Robotics and Automation Club (RAC)*

- Led a student development team, coordinated robotics software projects and mentoring
- Worked across embedded Python and hardware integration for club projects

### **Volunteering**

- Participated in Bosch's CSR initiatives, including environmental activities such as lake cleaning and restoration drives
- Ran marathons to support a cancer foundation fundraising initiatives