Jayananden Meenakchisundaram

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Linkedin | **GitHub**

Education

Trinity College Dublin — Dublin, Ireland
MSc Computer Science — Sept 2025 - Present

Kumaraguru College of Technology — Coimbatore, India
BE Mechatronics — July 2018 - April 2022
CGPA: 9.1

Experience

Bosch Software Global Technologies | Software Engineer — Coimbatore, India | Oct 2022 - Aug 2025

- **CI/CD Pipeline for AVB Infotainment:** Built and maintained Jenkins pipelines for daily and on-review builds, integrating Gerrit and JFrog Artifactory to automate code reviews, unit testing, artifact archiving, and multi-pipeline workflows, reducing build cycle time by 25% and supporting 20 developers across the infotainment team
- **Infrastructure Provisioning Automation:** Co-developed an application for on-demand provisioning of Docker containers across Ubuntu, Yocto, and QNX environments for 50+ developers. Used Kubernetes for on-premises container orchestration and persistent volume provisioning, streamlining developer setup and reducing environment configuration time
- **Automated Defect Ticket Generation Tool:** Built a microservices based system to optimize QA workflows by automating bug ticket creation and management. Leveraged log parsers, sentence transformers, and Dockerized services to automatically detect, classify, and track issuesreducing manual effort and speeding up defect resolution

Bosch Software Global Technologies | Project Trainee — April 2022 - July 2022

- **Internal Bug Tracking & Discussion Tool:** Developed a proof of concept web application for internal bug tracking and team discussions, using React.js, Node.js, and MongoDB, with a machine learning based semantic search to identify similar bug reports and reduce duplication

Skills

Programming Languages:	Python, Groovy, C++, JavaScript
Libraries/Frameworks:	TensorFlow, PyTorch, React
Tools / Platforms:	Jenkins, Docker, Kubernetes, Jfrog, Grafana, Gerrit, Ansible
Databases:	MySQL, MongoDB

Projects / Open-Source

Robocon 2019 - College Team Project — *Python, Solidworks*

- Developed embedded systems and Python algorithms on Raspberry Pi for trajectory-based motion and autonomous navigation, integrating sensors for real time feedback.
- Designed mechanical components in SolidWorks, applying math and motion planning for optimized robot performance

Certifications

- Design Thinking for Innovation - **Coursera**
- Deep Learning Specialization - **Coursera**
- Build a Modern Computer from First Principles (Project Centred Course) - **Coursera**

Honors & Awards

- Mahatma Gandhi Scholarship Award - Kumaraguru College of Technology, Awarded for academic excellence and merit based performance.
- VISAI 2021 Project Competition Winner Vel Tech University, recognized for innovative project work