Rutvik Yamkanmardi

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Education

California State University - Chico June 2025
Master of Science in Computer Science *GPA: 4.0/4.0*

Indian Institute of Information Technology - Dharwad May 2022
Bachelor of Technology in Computer Science and Engineering *GPA: 3.52/4.0*

Relevant Coursework

Applied Computer Vision, Applied Machine Learning, Advanced Data Structures and Algorithms, Software Design and Maintenance, Reinforcement Learning, Game Theory

Skills

Languages: *C/C++, Make, Python*, Bash, JavaScript, HTML/CSS
Strengths: Critical Thinking, Communication, Problem Solving, Attention to Detail
Tools: *Jetson Nano, OpenCV*, Git/GitHub, Unix Shell, Cuda Toolkit, GCP, AWS

Experience

Backend Team lead | *Chico State Enterprises - SAP UCC* March 2022 – Present

- Redesigned the backend of the entire website
- Optimised Database schema and APIs reduce latency issues
- Worked in a collaborative environment, to resolve conflicts and technical issues as part of "One Team"

Software Engineer | *IndiaMart InterMESH Ltd* May 2022 – June 2023

- Developed and maintained a high volume API dealing with millions of per-day requests
- Performed database and server migrations to reduce latency issues
- Performed codebase migration - from PHP to Golang
- Optimised code to ensure faster delivery of packets

Web Developer | *Airports Authority of India* May 2021 – July 2021

- Developed a fully functioning website to allow for secure transmission of messages using the INSAT satellite network
- Collaborated with cross-functional developers to provide a smooth user-friendly experience
- Enhanced the security by implementing encryption to protect sensitive user data
- Employed efficient coding practices to improve Website performance and enable easy maintenance of code

Projects

Autonomous Humanoid Navigation | *ROS - 2, Unix Shell* May 2022

- Implemented an autonomous navigation system on a Humanoid robot
- Learned 3D Modelling of Indoor Surfaces to input a test map
- Collaborated with hardware team to optimise the use of LIDAR
- Implemented an obstacle detection and avoidance algorithm

Language Transcription on Raspberry Pi3 | *RaspberryPi, Kaldi, Unix Shell, Git, Machine Learning* December 2021

- Deployed a language transcription for the Hindi language on Raspberry Pi3
- Used a quad directional mic to enable noise cancellation to improve audio transcript quality
- Optimised the model training using C++ and parallelism techniques