

Prathima Kadari

Chief Technology Officer (Micro)

A Tech Evangelist with a curious mind and crisp thinking who visions to foster the Next Gen. My expertise lies in Embedded Systems, Data Science and Internet Of Things along with solid foundations on Web Development.

WORK EXPERIENCE

Chief Technology Officer

Mar 2022 – Present

Micro, Remote

- Led the first major effort to set the company's technological vision and lead its execution. Responsible to build and scale an online B2B / B2C platform from the scratch
- Leveraging out the ideas, deciding on the technical factors, figuring out the right approach are the key goals to establish a strong outcome that makes the product more market viable.
- Building a solid technical team across various verticals of the organization

Web Developer

Dec 2021 – Jan 2022

CP Consulting Solutions, Freelancer

- Developed an EdTech Startup Website to venture the online setup and get the app into the market from scratch.
- Created full stack WebApp as per user's customization and requirements.

Research & Development Engineer

Jul 2013 – Jun 2015

Analogics Group Tech India Pvt Ltd, Hyderabad

- Worked on Embedded C programming, Micro-controllers, Compilers and Debuggers.
- Involved in software development for Microprocessor / Controller based Product designs. Widely into Linux system programming and working on Linux device driver development.
- Worked on writing the diagnosis programs for controller based modules. Testing of Core Modules and Hand Held Computers such as LINUX 2I, RIDER 2T, P32, IRDA and PTC.
- Good exposure to all stages of the Software Development Life Cycle. Ability and Adaptability to work with different technologies on various platforms. Experienced in Walk-through, Reviews and Documentation.

Embedded Engineer

May 2012 – Jun 2013

Inphinity Software Solutions, Hyderabad

- Development and Testing of Embedded Software Applications for Micro-Controller Based Products using Compilers and Debuggers.
- Pro-active role in Project requirements, assessment and coding.
- Customizing, Cross-Compiling and Booting the Linux Kernel with Device Drivers. Involved in Linux system programming.

CONTACT

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SKILLS

Python | C | Embedded C
Machine Learning | Django
Computer Vision | IoT
Deep Learning | Flask | Streamlit
Natural Language Processing
Data Visualizations | Data Analysis
Microcontrollers | Embedded Linux
Linux Device Drivers | Linux Kernel
Linux System Programming
Communication Protocols
HTML | CSS | Javascript
Google Cloud | Microsoft Azure
Github | Open Source

EDUCATION

- Symbiosis Center for Distance Learning
PGDITM - Present
- CVR College Of Engineering
M.Tech, ES - Apr 2011
- Jyothishmathi College Of Engineering & Technology
B.Tech, ECE - May 2009

Awards: Global Awards 2021
Nominee : Mentor Of the Year - WomenTech, Top 1% in GitHub, Japan Application Featured on Streamlit, Best Supervisor & Mentor, Hackathon Winner

VOLUNTEERING

- Regional Jury Member at Global Startup Awards
- Omdena Hyderabad Chapter Co-Lead
- Project Admin, Mentor & Judge at OpenSource Programs
- Speaker at events, workshops & conferences
- Open Source Maintainer for 6+ projects.
- Startup Mentor & Technical Blogger
- Developer at StackOverflow

- Delivering Project & Technology based Presentations, Reports & Demonstrations.
- Providing Technical Support to the IT Software Teams in Project development and addressing issues in systems.

PROJECTS

ML Engineer - Lead Collaborator

Mar 2022 – Present

Project : Building Regenerative Farming Solutions with AI Enabling Agricultural Carbon Markets, Omdena Spain

- With AI, a system is being built that breaks the two big barriers to adopting regenerative farming. The lack of knowledge about how to do the transition and the need for money of the farmers to make that transition. (It's work is currently in progress)

Junior ML Engineer -Project Lead

Jan 2022 – Feb 2022

Project : AI For Road Safety, Omdena Hyderabad

- To improve road safety measures, collecting and analyzing road accidents data can help in addressing this problem and take necessary precautions. An AI solution has been designed to detect driver's condition & distractions that raise an alert when it's detected.

Features Involved : Label & Sentiment Generator, Eye Gaze Estimation, Drowsiness Detection & Yawn Detection

Junior ML Engineer - Lead Collaborator

Nov 2021 – Feb 2022

Project : Finding Safest Path during Natural Disasters, Omdena Japan

- Being prone to natural disasters, Japan has well-developed disaster response systems, but densely populated cities & narrow roads makes response management difficult. By giving individuals information about the safest ways from their homes and places of work, it will help in prioritizing the citizens' safety in risk prone zones.

Features Involved : Safest Route Path to take at occurrences of Disasters, Locates Shelters, Visualizations to Check and Differentiate the Parameters

Junior ML Engineer - Lead Collaborator

Dec 2021 – Jan 2022

Project : Water Quality Monitoring Dashboard, Omdena Kutch

- Developed a centralized dashboard with different water quality parameters in near real-time using Remote Sensing and AI for better decision making. This will identify if any parameter is not within standard limits for taking up an immediate action and reinforce the abilities to monitor water quality more effectively & efficiently.

Features Involved : Projecting the quality of water bodies, Analyze and monitor the existing conditions, Identification of parameters compared with the standard threshold values

CERTIFICATIONS

- Internet Of Things - Stanford University
- Artificial Intelligence - Microsoft
- Google Cloud Foundations & ACE Track - Coursera & Google

PUBLICATIONS

- Satellite Imagery for Water Quality Monitoring
- Introduction To Reinforcement Learning for Beginners
- My Python Learning Experience
- A Simple Guide to K-Nearest Neighbor Classification using Python
- Getting Started with Internet Of Things

SPEAKER

- How to Get Started with Open Source as a Beginner
- Demystifying Machine Learning to Develop Smarter Solutions
- Inner Circle TGV TEDx Talk

OTHER PROJECTS

- Automatic River Encroachment Detection in Bangladesh
- Face Mask Detection
- Smart Drain using IoT
- Design & Development Of Cortex A8 & FPGA based 1553B Redundant Communication Systems
- Implementation of ADC Device Driver using Embedded Application for ARM9
- An RFID based Passport Verification System using Zigbee

LANGUAGES

English | Hindi | Telugu | Tamil

PUBLISHED DATE : 11.05.2022