

RESUME

Name : Phani Pastula

Current Role : Software Engineer

Qualification : M.Tech (Communication Systems)
B.E (Electronics and Communication Engineering)

Date of Birth : 23rd June 1996

Contact : 7981611746
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Current Location : Bengaluru, Karnataka

I'm a passionate Embedded Software Engineer with efficient development and debugging skills. I have a keen interest in creating efficient real-time operating systems and designing low-level drivers. I'm well-versed in programming languages like C, C++, and Python, and I'm always eager to explore emerging technologies like ML in the embedded world.

Academic Record :

Examination	Board / University	Year of Passing	CGPA / Percentage
M.Tech	SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY, SURAT	2022	8.6
B.E	S.R.K.R ENGINEERING COLLEGE, BHIMAVARAM	2018	7.2
XII	BOARD OF INTERMEDIATE EDUCATION, AP	2014	94.7%
X	BOARD OF SECONDARY EDUCATION, AP	2012	9.3

Work Experience :

1. **Toshiba Software Pvt Ltd** (06 / 2022 - Present)

Role : Software Engineer

- Worked on low level drivers like UART, I2C, SPI, QUAD SPI, etc. and BSP Packages of Toshiba microcontrollers.
- Work experience on mbed-os and zephyr rtos.
- Worked in RTOS porting for TOSHIBA microcontrollers.
- Worked on an IIOT(Industrial IOT) project for real time and deterministic networking.
- Experience with ethernet drivers and L2 protocols like gPTP used for real-time applications.

2. **Morgan Stanley Capital International** (06/2021 – 12/2021)

Role : Software Intern

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- Worked in a data science team for API development.
- Worked on deep learning models for twitter sentiment analysis.

Projects:

- M.Tech Project :
Convolutional Neural Network based Image Compression.
- B.Tech Projects:
Image Compression using Huffmann Encoding.
Arduino based hand gesture-controlled robot using a camera module.

Skills :

- C / C++
- Python
- Experience in ML and Deep Learning
- RTOS (Zephyr OS and Mbed OS)
- Low level Drivers

Languages :

- Telugu, English, and Hindi

Interests :

- I am interested in the latest emerging technologies like Edge AI(AI and ML applications in Embedded domain).
- Playing Badminton and Cricket.
- Photography.