

# Mohana Krishna.B

Software Engineer, Devops Engineer

Hyderabad, Telangana

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Mohana Krishna

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## EXPERIENCE

### METACUBE- Software Engineer

*Leading Company that partnering with both start-ups and established players globally in the innovation journey.*

June 2021 - PRESENT

- Experience in designing backend **REST APIs** for handling and processing the data from the front end in **Django and Python(3.9)**.
- Experience in writing the test-suites and end-to-end test cases for API's .
- Experience in the Devbox Working environment by creating EC2 instances using AWS.
- Developed shell scripting and python programs to automate the data flow on day-to-day tasks.
- Having experience in using **Jira** Software for tracking issues and also having experience in **Scrum**.
- Upgraded the python repositories using **docker**.
- Having experience in testing and integrating APIs using **POSTMAN**.
- Delivering Tickets with Solutions within 1-2 days turnaround time or even within hours.

### DRDO(Naval Science and Technological Laboratory)-Software Design and Analysis Expert

*Design, development and evaluation leading to production of Torpedoes, Mines, Targets, Decoys, Fire Control Systems*

July 2019 - June 2021

- Designed UI for tracing the route of torpedoes by using **Django**.
- Designed API's for the analyzing and storing the Torpedo's Trail Data Output
- Experienced in designing the software modules for communication purpose for module to module in Torpedo with the help of MATLAB software.
- Involved in testing and integration activities of various systems and subsystems of Light weight and Heavyweight Torpedoes.
- Research Intern in the Artificial Intelligence team in NSTL.

## TOP 3 SKILLS

Python	★★★★☆
Django	★★★★☆
PostgreSQL	★★★★☆
VScode	★★★★☆
Git	★★★★☆
Docker	★★★★☆

## SKILLS

C	★★★★☆
MySQL	★★★★☆
SDLC	★★★★☆
HTML5	★★★★☆
Linux	★★★★☆
Data Structures	★★★★☆
Code Optimization	★★★★☆
Algorithms	★★★★☆
Javascript	★★★★☆
Pycharm	★★★★☆
CSS	★★★★☆
Eclipse	★★★★☆

- Worked with the Senior Scientists and assisted the Software design team in the development of the complete Software of the subsystems.
- Prepared the reports for Pre and Post Analysis of the Subsystems Torpedo after the Sea trail.

## EDUCATION

### JNTUK University College of Engineering Vizianagaram

BTech in Computer Science & Engineering

2014-2018

JNTUK-UCEV is the top government university in Andhra Pradesh.

- Top 7 percentile of the class.

## ACADEMIC PROJECT - TEAM LEADER

Aug '17 - Mar '18

### Comparison of Feature selection Approaches by Different types of Optimized Algorithms

- Feature Selection is the Process of Reducing the irrelevant features, it is Usually applied as a pre-processing step in both soft computing and machine learning techniques. Now here I take some of the comparison of Feature selection approaches like C4.5, Cuckoo optimization and ABC optimization as key algorithms and find the best among them by considering various real time datasets like Mushroom data sets and Iris data sets etc.

#### Tools:

Programming Language: Python

IDE: PyCharm

Datasets: Mushroom, Kr vs Kp , Iris

Operating system: Windows 10

## WORKSHOPS

Attended the 'National workshop for Python Developers' |JNTUK-UCEV | '18

- Gained exposure to the latest best practices in the world of Python programming

Attended the 'Free and Open-Source Software' by SWECHA|JNTUK-UCEV|'18

- Gained exposure to the Linux environment.

Attended the 'New Trends in AI workshop'|DRDO-NSTL|2019

## ACHIEVEMENTS

- Participated and Secured 2<sup>nd</sup> Place in the 'Tata Building India' essay competition by Tata Foundation.
- Organized Augmented Reality workshop and received IIT Bombay merit certification for Organizing the Workshop.

## CERTIFICATIONS

- Certified *Python Developer* from edX.
- Certified in *Introduction to data science in Python* from Coursera.

## LANGUAGES

Telugu	★★★★★
English	★★★★★
Hindi	★★★★☆