KODUMAGULLA VASISTA
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OBJECTIVE:

- To be a dexterous engineer in all aspects of Software, Robotics & Automation with **2+ years of experience in IT** to provide a better life to people by ensuring better customer satisfaction.

JOB EXPERIENCE:

- **Full time Research Assistant in Digital Twins** under **Dr. Jussi Kantola.** (09.2023 – 11.2023)
- **Summer Research Internship** at University of Turku under **Dr. Juha Plosila**. (06.2023 – 09.2023)
- **Cognizant Technology Solutions** Programmer Analyst - **Angular developer** (Web Technologies) (02.2021- 08.2022)

RESEARCH EXPERIENCE:

- **Bachelor's Thesis** under Dr. Lluís Ribas-Xirgo in **Universitat Autònoma de Barcelona, Spain**, in mobile **robotics** designing **Digital twins** in **Coppeliasim** and programming a Real robot for Mixed-reality environments.
- With Dr. N. S. Manigandan in the fields of Designing an AI based **Agricultural mobile robot** as a mini project.

ACADEMIC QUALIFICATIONS:

- Masters in science (Tech.) **ICT** at University of Turku (Aug 2022 – present).
- Bachelor Thesis at UAB Barcelona Feb 2020 - July 2020 (8.0/10 CGPA).
- **B.Tech. Mechatronics** at SASTRA deemed university, 2016 - 2020, (7.0431/10 CGPA).

AREAS OF INTEREST:

- **Data Science** and **Analytics** in versatile backgrounds and **create efficient Processes.**
- **Robotics and Automation.**
- **Software Development** (Web and Python based development)

AREAS OF EXPERTISE:

Statistical analysis, Data Preparation Data Visualization, Training ML models Training DL models, Web Development Robotics development, Digital Twins, Computer Vision, Agile tools.

TECHNICAL SKILLS:

- Expert in **Python, C++ & JavaScript**, MATLAB, ROS 2
- **Angular** 8 -12, **Node JS** & Express JS, Mongo DB, HTML5, CSS3, Bootstrap & RWD, **Typescript**, Unit Testing in Jasmine and Karma, **MYSQL**(RDBMS).
- **Pandas**, **Numpy**, Scikit-learn, **OpenCV**, **YOLO v5**, Matplotlib & **Matlab simulink**
- Autodesk **Inventor**, **Solidworks** & **Ansys**

CO-CURRICULAR ACTIVITIES:

- **Harvard hackathon** for **Digital Health Tech solutions.**
- **Training** in **Stock Market Technical Analysis** and **Basic FA** for **Trading** and **Investments.**
- In-plant **training at TATA Motors**, Hyderabad for a week.
- 1 week training on EVs in **TVS services** ltd.

LANGUAGES:

- Fluent in **English**, Telugu, Hindi, Tamil.
- **Finnish**, Spanish & German (Basic).

IMPORTANT RESPONSIBILITIES HELD:

- Worked as a **Board Member** at **BOOST TURKU** entrepreneurship society in 2023 where I **understood the epitome of Finnish Business ecosystem**.

REFERENCES:

- **Dr. Juha Plosila** juplos@utu.fi Professor, Robotics and Autonomous Systems, University of Turku.