

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 Coppeliassim 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.**
- 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
- Technical Analysis in the Stock markets.

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:

- Participated in many Entrepreneurial activities understanding Business, learnt people management & led a team of 70 in marketing.

REFERENCES:

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