

Meghanathi Gauranggiri

Contact

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Languages

- English Fluent
- German Basic Proficiency

Soft Skills

- Communication
- Creativity
- Adaptability
- Time management
- Curiosity

Achievements

 STIBET Scholarship (11.2020 and 11.2021)

Summary

As a Master's student in mechatronics and cyber-physical systems, I have acquired valuable knowledge in machine learning and deep learning techniques through practical implimantation in projects at Fraunhofer. Now seeking an internship or master's thesis to further explore and contribute my skills in machine learning and deep learning to an organization.

Technical Skills

- Programming languages: Python, C++, SQL.
- ML and Deep Learning libraries: TensorFlow, Keras, Scikitlearn, OpenCV.
- Data visualization tools: Matplotlib, Seaborn.
- Data analytics tools: Pandas, NumPy, Power Bl.
- Web frameworks: Flask, FastAPI.
- Databases: MySQL and MongoDB.
- Cloud platforms: Azure, Heroku, AWS.
- MLops tools: CI/CD pipeline, Git Action, Docker.

Work Experience

Research Student - Fraunhofer IKTS, Dresden, Germany: 01.09.2022 - Present.

- Experimental data collection on the Aerosol Jet Printer focused on predicting line width and optimizing production processes for time and cost savings.
- Developed a web application that streamlined the data cleaning process, ensuring consistent and reliable data quality with reduced manual effort.
- Improved the functionality of the web app by implementing automated data validation, transformation features, and a pipeline for efficient model training and prediction.

Junior automation engineer – Immortal innovation, Jamnagar, India: 15.12.2018 - 30.09.2019

- Servicing and commissioning of protective electrical gear.
- Installation and maintenance of electrical panels.
- Programming of various PLCs (Delta, Fatek, and Siemens).

Electrical engineer – Essar project India Ltd., Jamnagar, India: 01.10.2018 - 30.11.2018

- Maintained 1600 kVA power transformer and H.T/L.Tpanel, improved power factor.
- Maintained 125KW blower, troubleshooted flow transmitter, sensors, and control panel.

Interests

- Volunteering
- Traveling
- Music
- Cooking

Volunteer Work

- Tree plantation
- Active participant in blood donation drives







Education

Masters in Mechatronic and Cyber-Physical Systems – 03.2020 to present Deggendorf Institute of Technology (Campus Cham), Cham, Germany

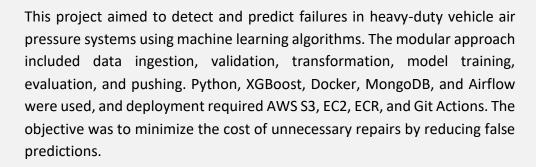
Bachelors in electrical engineering – 09.2013 to 08.2017 Gujarat Technological University, Gujarat, India

Certifications

- Tensorflow Developer Certificate (04.2023).
- AI-900: Microsoft Azure AI Fundamentals(03.2023).
- Deep Learning Specialization: Coursera(09.2022).
- Machine Learning Specialization: Coursera (08.2022).

Project Work

APS Failure Detection in Heavy Duty Vehicles using Machine Learning:



Professional Reference

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