

AVINASH PINNAMANENI

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DOB: 13.10.1995
Nationality: Indian



EDUCATION

10.2021 - Present	Masters Systems Engineering for Manufacturing Otto-von-Guericke University, Magdeburg	Note : 2.2
10.2013 - 07.2017	Bachelors Mechanical Engineering Sreenidhi Institute of Science and Technology	Note : 1.9

EXPERIENCE

Internship

Vivere GmbH, Hamburg, Germany

10.2022 - 03.2023

Topic: Production and Automation Intern

- Planned material flow for manufacturing systems to in co-ordination with the Inventory management team.
- Process planning, optimization, and automation to enhance the manufacturing of FMCG products.
- Implemented Lean manufacturing practices contribute to increased efficiency and productivity.
- Achieved integrated automation for precise machine control and seamless data retrieval to make the process more efficient and responsive.

Design and Production Engineer

B&G Engineering Industries, Hyderabad, India

07.2017 - 10.2021

Topic: Innovative Solutions from Conception to Manufacturing

- Managed client requirements for the configuration and supply of equipment for chemical processing plants.
- facilitated cross-functional communication between departments for technical selections and supply scope by conducting customer meetings
- Led the design team in a successful New Product Development projects, focusing on pharmaceutical equipment and chemical processing plants.
- Integrated and troubleshoot new manufacturing technologies through the adoption of off-shelf components and in-house developed automation.

Linkedin: <https://www.linkedin.com/in/avinashpinnamaneni-ba475b79/>

Website: <https://prismatic-licorice-c75787.netlify.app>

PROJECTS

Automation of low volume bottle filling line @ Vivere GmbH

10.2022 - 03.2023

- Conducted **functional analysis** for identification of essential functions of bottle filling process
- Actively contributed to the integration of advanced IoT technologies, enabling real-time monitoring of the production line's performance, facilitating proactive maintenance, and effectively reducing downtime.

Development and commissioning of automated cannabidiol extraction plant @ B&G Engineering Industries (2 Million CAD)

08.2019 - 10.2020

- Process and equipment design for a "Cannabidiol Extraction Plant" in collaboration with Quadron Cannatech, CAN.
- Automation of the processing plant using Schneider PLC.
- Plant Testing and Documentation of system parameters for potential improvements.

Development and Commissioning of Effluent Treatment Plants(ETP) and Solvent Recovery Systems(SRS) @ B&G Engineering Industries

05.2018 - 07.2019

- Designed the process and configured the equipment for the Solvent Recovery Systems, treatment of industrial chemicals and effluent treatment.
- Classified processes and configured equipment for tailor-made customer solutions
- Prepared **automation** and safety interlocks for the processes.
- Co-ordination between production and client for design improvements and commissioning.

Development of an autonomous seam welding buggy

10.2017 - 07.2018

- Implemented automation of seam welding operation using several off the shelf components modifying them for assembly.
- Tested and documented the prototype for further enhancements and implementation in the shop floor.

Development and manufacturing of vehicles for student level competitions @Bachelors

04.2015 - 06.2017

- Took the lead in developing various vehicle subsystems, documenting DFMEA, cost analysis, and business reports, specifically focusing on the transmission subsystem for SAE INDIA, Mini BAJA competition.
- Successfully led the team to victory in the go-kart championship by efficiently managing both leadership and technical responsibilities.
- Dealt as head of Technical Assistance Board of the collegiate club in designing and optimizing the transmission system.

TECHNICAL SKILLS

TOOLS

HOBBIES

Systems design
Plant Automation
Logistics Planning
Project Management
CAD modelling
Data Analytics
Web design

Solid Works
Technomatix Plant Simulation
CADWorx Plant Pro
MS-Office Suite
MS Project
Power BI
Arduino IDE
Inkscape

Farming
Custom Machine Fabrication
Home improvement
Pet grooming
Sketching
Listening to Music

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