NITISH KUMAR SINGAVARAPU

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SUMMARY

Aspiring Engineering graduate with a strong focus on innovation and a proven project execution record. Seeking an opportunity to work in a position which utilizes and enhance my knowledge.

EDUCATION

- Bachelors of Technology in Mechanical Engineering   **Jul 2020 – Aug 2023**
  Andhra Loyola Institute of Engineering and Technology   **Cgpa   :6.8**
- Diploma in Mechanical Engineering   **Jun 2017 – Aug 2020**
  A.A.N.M & V.V.R.S.R Polytechnic.   **Percentage:70%**
- 10 th   **Jun 2016 – Mar 2017**
  Narayana School   **Percentage: 93%**

TECHNICAL SKILLS

- Programming language   Python | Java basics
- Web   Flask | Django
- Database   MySQL
- LLM Framework   Langchain
- Other Technologies   HTML | Git | Github

INTERNSHIP

Quality Inspector   Nov2019 – Apr 2020

- Conducted meticulous inspections on manufactured components to identify defects and ensure compliance with industry standards.
- Utilized precision measurement tools, achieving 15% accuracy in assessing product dimensions and specifications.
- Assisted in generating comprehensive inspection reports, facilitating data-driven decision-making and process improvement

Python Developer   Nov2023 – Present

- Involved in the the backend development of an innovative AI News Reader project, utilizing Python and Flask to create robust APIs. Managed MySQL databases for news storage and retrieval, and integrated AWS S3 for multimedia content.
- Designed and documented clear APIs for the AI News Reader, ensuring effective communication between frontend and backend. Implemented CRUD operations on MySQL databases and seamlessly integrated AWS S3 for scalable multimedia storage. Contributed to collaborative problem-solving sessions and conducted comprehensive testing for backend functionalities.
- Demonstrated proficiency in Python and Flask for backend development, MySQL for database management, and AWS S3 for scalable storage. Successfully resolved challenges related to data storage and retrieval, enhancing the overall efficiency of the AI News Reader project.

PROJECT

Power Generation through Vehicle Loading

- Designed and developed a mechanism converting linear motion from vehicle loading into rotary motion, achieving 15% efficiency in power generation.
- Integrated sustainable materials in the prototype, aligning with eco-friendly engineering principles.
- Presented the project technical conferences, receiving positive feedback and insights for further improvements.

Man Hole Cleaning Machine

- Designed and developed a machine capable of cleaning the manholes with out the direct aid of a person.
- The machine uses a mechanicla gripper made up of glass fiber to collect the sludge.
- The eleminate the manual scavenging which is harmfull due the presence of gasses like ammonia, methene etc.

CERTIFICATIONS

- Internship (OMNIWYSE TECHNOLOGIES)
- Java (FRONTLINES EDUTECH PRIVATE LIMITED)
- Atained certification in Prototyping and Fabrication (BHARATIA VIJANA MANDALI)
- Atained certifaction on Paper Publication (IJEMR).

DECLARATION

- Hereby declare that the information furnished above is accurate to the best of my knowledge.