Somesh Kumar Sahoo

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PROFILE

Highly motivated and detail-oriented, eager to kick start a career in the dynamic world of software development. Possesses a solid foundation in programming languages and development tools. Passionate about staying up-to-date with emerging technologies and collaborating with cross-functional teams to deliver cutting-edge products.

EDUCATION

- Gandhi Institute of Technical Education, Bhubaneswar (2023)
  Mechanical Engineering | 8.0 CGPA
- Nilachal Polytechnic, Bhubaneswar (2020)
  Mechanical Engineering – 77%

TECHNICAL SKILLS

- Python
  - Have good knowledge on Identifiers, Operators and Variable.
  - Good Knowledge on collection data type and built in methods.
  - Good usage of control, conditional statements and loops.
  - Good understanding on functions and types of argument and recursion.
  - Good understanding on lambda, map, filter, reduce, zip.
  - Good knowledge on oops concept (Encapsulation, Inheritance, Polymorphism, Abstraction).
  - Good in Exception Handling.
- Data Science
  - Variation and Standard Deviation
  - Probability Density Function
  - Common Data Distribution
  - Matplotlib
  - Advanced Data Visualization with Seaborn
  - Conditional Probability
  - Bayes' Theorem
- Machine Learning
  - Predictive Models
  - Supervised and Unsupervised Learning
  - K-Means Clustering and K-Nearest-Neighbors
  - Reinforcement Learning and Q-Learning
  - Apache Spark
  - Deep Learning and Neural Networks
  - Tensorflow and Keras
  - Convolutional Neural Networks (CNN's) and Recurrent Neural Networks (RNN's)
  - Generative Models and Generative AI
  - OpenAI API
  - Retrieval Augmented Generation (RAG)
- SQL
  - Having good Knowledge in sublanguages of SQL. (DDL, DML, DCL, DQL & TCL).
  - Having Strong Knowledge on Joins Concept.
  - Able to write Queries on operator, Functions & Subqueries.
  - Known about Constraints (Primary key, Foreign key).
  - Have knowledge on Views, Stored Procedures, Indexes and Triggers.
- HTML
  - Having good knowledge on using HTML tags.
  - Well known about HTML- 5 tags.

- o Good at creating layouts of webpages.
- CSS
  - o Good knowledge on types of CSS & CSS selectors.
  - o Strong knowledge on CSS positions.
  - o Good at CSS box model & flex box model.
  - o Have knowledge on CSS grids & media grids.
- Java Scripts
  - o Good knowledge on JS fundamentals (identifiers, variables, datatypes).
  - o Strong Knowledge on DOM manipulation.
  - o Have Knowledge on type conversion, type coercion and JS operators.
- GitHub
  - o GitHub Bash
  - o GitHub CLI

SOFT SKILLS

- Communication
- Complex problem solving
- Innovative
- Project management
- Teamwork

PROJECTS

- E-bicycle – Combination of standard geared bicycle with an electric powered motor cum alternator that would assist the rider throughout the journey.
- AI Driven Snake game Using Deep Q-Learning – Created a game using Python and Pygame and used reinforcement learning to train the Neural Network to score points.
- Responsive Website – Personal Portfolio using HTML, CSS, Java script

TRAINING

- Optical Fiber Communication- An overview by BSNL Application area Principle of operation FDF, FDMS, connectors, splice closures
- AutoCAD in Mechanical engineering from CENTRAL TOOL ROOM & TRAINING CENTRE, Bhubaneswar, Odisha
- CNC PART PROGRAMMING from CENTRAL TOOL ROOM & TRAINING CENTRE, Bhubaneswar, Odisha

ACHIEVEMENTS

- Was an active volunteer at Asha Kiran Orphanage, Bhubaneswar.
- Played cricket for Odisha U19 Team.
- Winner of Inter-State Essay competition.

HOBBIES AND INTERESTS

- Instruments
- Volunteering
- Computer programming
- Sports