

GARV SAXENA

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SKILLS

- **Programming Languages:** Python, C++, C, Java
- **Design and Modeling:** SOLIDWORKS
- **Databases:** MySQL, Oracle SQL
- **Hardware and Electronics:** Arduino
- **Other Technologies:** GitHub, AIML, Power BI
- **Open Source :** SLoP 3.0, SWOC S3, GSSOC 2023

EDUCATION

B.TECH IN COMPUTER SCIENCE ENG. WITH AIML

CGPA 8.55

Karnavati University | 2022 - 2026

HIGH SCHOOL WITH PCM AND COMPUTER SCI.

Percentage 76.4%

Kendriya Vidyalaya | 2010 - 2022

EXPERIENCE

MACHINE LEARNING PROJECT INTERNSHIP TRAINEE

Quant Masters Technologies Pvt Ltd.

Sep 2022 - Jan 2023

During my internship, I worked on developing a stock price prediction model using the Long Short-Term Memory (LSTM) recurrent neural network architecture. The goal of this project was to forecast future stock prices based on historical data.

ACHIEVEMENTS

- **Mar 2024:** Awarded the prestigious Udacity Bertelsmann SE & Co. KGaA Next Generation Tech Booster Scholarship. Selected from a competitive pool of 17,000 applicants.
- **Oct 2023:** Awarded 1st Place in the "Tech Treasure" event at AriaRo 2.0, hosted by UIT, Karnavati University. Successfully solved the given challenges using Python.
- **Jan 2023:** Reached the final round of the Forensic Hackathon 2023 at NFSU (National Forensic Sciences University), proposing a project for detecting fake social media profiles.

CERTIFICATIONS

- **Java Foundation Oracle (Mar 2024):** Mastering the fundamentals with Oracle's Java Foundations course.
 - **DSC-DAIICT SLoP 3.0 (Dec 2023):** Developed open-source project using C++ programming language.
 - **Facial Expression Recognition with PyTorch (Nov 2023):** Demonstrated proficiency in Artificial Intelligence (AI) and deep learning.
 - **Introduction to Generative AI with Google Cloud (Nov 2023):** Explored the potential of Generative AI and its applications.
 - **Spoken Tutorial RDBMS PostgreSQL (Nov 2023):** Enhanced knowledge of SQL language for data manipulation.
 - **Geodata Processing using Python (Mar 2023):** Utilized Python for processing and analyzing geospatial data.
 - **SWOC Season 3 (Mar 2023):** Contributed to open-source software projects on GitHub.
 - **Next Generation Tech Booster Scholarship Badge (Feb 2023):** Demonstrated proficiency in MySQL database management.
 - **Solidworks Associate - Mechanical Design (Jan 2023):** Certified in using SOLIDWORKS software for 3D modeling and design.
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PROJECTS

MSWS (Python Package)

- Generates random numbers using the Middle Square Weyl Sequence algorithm.
- Ideal for simple and efficient pseudo-random number generation.

Lipostdate

- Extracts the exact posting date from LinkedIn post URLs.
- Simplifies retrieval of post dates for efficient information gathering.

Job Portal

- Developed a job portal application using Python Tkinter for GUI and MySQL for database.
- Users can view and apply for jobs from anywhere in the world.

CNC Printer

- Built a CNC (Computer Numerical Control) printer using Arduino Uno microcontroller.
- The printer can print or draw any image on paper with a normal pen.

3D CAD Model - Marble Toy

- Designed a 3D model of a Marble Toy using Solidworks.
- The model consists of 11 parts and was created as a team project with me as the lead.

GUI Clock

- Developed a regular clock application using Python.
- Features include reminder setting, alarm functionality, and daily task management.

Music Visualizer

- Built a music visualizer using Arduino Uno.
- Offers 3 pattern modes, 10 color schemes, and adjustable brightness and sensitivity controls.