Garima Taneja

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EDUCATION

- **Amity University** — Noida, India
  B.Tech - Computer Science and Engineering — 2022 - 2026

  Courses: Operating Systems, Data Structures, Analysis Of Algorithms,OOPS, Machine Learning

SKILLS SUMMARY

- **Languages:** C++, C, Python, ReactJs, Java, SQL, HTML, CSS
- **Frameworks:** Wordpress, Figma, JavaFX
- **Tools:** MySQL, GIT, VS Code, Qiskit, Jupyter, MATLAB, Anaconda
- **Platforms:** MacOS, Windows, IBM Quantum
- **Soft Skills:** Leadership, Event Management, Writing, Public Speaking, Teamwork and Collaboration

EXPERIENCE

- **ML Cohort 1.0 - Codesss.Cafe** — Remote
  ML Intern/ Facilitator — January 2024 - Present
  - **Tech Stack- Python, Numpy,Pandas, Tensorflow, Jupyter**: For a selective pool of 30 students, developed and delivered a cutting-edge Machine Learning course using Python, Numpy, Pandas, and Tensorflow; integrated practical projects and established mentorship, empowering students to excel in tech careers.

- **Web Developer - ATCo.** — Remote
  Web Developer — Sept 2023 - Present
  - **Tech Stack- HTML, Website Builder**: Working as a freelance web developer for a business firm, leveraging Hostinger Website Developer to create websites, boosting organic traffic to 1,290 visitors through effective Google SEO strategies and Google Search Console optimization.

PROJECTS

- **CO2 Emission Predictor**: Developed a machine learning model and web application using Python, Streamlit, and scikit-learn to predict car CO2 emissions. Users can input car details and visualize emission estimates. Implemented data cleaning, feature selection, and model training, and designed a user-friendly interface to promote awareness of environmental impact. **Link to Project** – **Link to Source**

- **Interactive Data Visualization Application** : Developed a Java-based application for dynamic and interactive data visualization, featuring pie charts, bar charts, and line graphs. Leveraged JavaFX and associated libraries to create user-friendly interfaces and robust visualization capabilities. Designed and implemented data handling and visualization logic to enhance user experience. **Link to Source**

- **CodeCanvas**: Created a personalized portfolio using ReactJS, Chakra UI, HTML, and CSS to showcase my professional experiences, skills, and achievements. The portfolio was deployed on Vercel for online accessibility, ensuring seamless navigation and responsive design. It features a user-friendly interface that highlights my capabilities and projects effectively. **Link to Project**– **Link to Source**

WHITE PAPERS

- **Research paper on The Mathematics Behind Secure Data Exchange Platforms Using Zero-Knowledge Proofs and Quantum Cryptography**:
  - This research investigates the application of Zero-Knowledge Proofs (ZKPs) and Quantum Cryptography (QC) to design a high-security data exchange platform..
  - It covers the fundamentals of cryptography, ZKPs, and QC, highlighting their applications in data security. It then examines how these two techniques can be used together to achieve secure data exchange.

HONORS AND AWARDS

- AWS AI-ML Scholar - June, 2024
- Google Girl Hackathon - Qualified round 1 - June, 2023
- Women Who Code + LINUX Foundation Scholar - December, 2022
- IBM Quantum Scholar - September, 2022
- Amity University Merit Based Scholarship - September, 2022
- Secured 1st position at CSIR CCMB Govt of India research paper contest - January, 2021
- Secured 2nd position in STEM-Ideathon at GEMS United Indian School, Abu Dhabi, UAE - June, 2017

VOLUNTEERING

- **Low Code - Website Developer** — AuraBiz.in
  Sharing expertise to help small businesses thrive online with effective digital strategies. — June 2024
- **Mentee** — Codess Cafe
  Participating in a collaborative learning environment and receiving mentorship on various tech. — December 2023
- **Intercultural Conversationalist** — Generation Global
  Led international student engagement initiatives, promoting a globally inclusive community. — February 2021
- **Prefect** — GUIS, Abu Dhabi, UAE
  Led and upheld school core values while managing the student community. — April 2017-18