YUG AGARWAL

Impact and Purpose Driven. Observe, Learn, Grow.

Ghaziabad, NCR, India | +91 70114 03558 | yugagarwal704@gmail.com

LinkedIn/yugagarwal704 | Github/HelloYug | LeetCode/yugagarwal704

Portfolio Website: https://helloyug.github.io/

Professional Summary

Motivated **second-year Computer Science student** specializing in **Artificial Intelligence**, with hands-on experience as a **Research Analyst Intern** and exposure to real-world **business environments** through **internships** and active **family business involvement**. Proficient in **Python**, **C**, and **Java**, with practical knowledge of **MySQL**, **Data Structures and Algorithms (DSA)**, & tools like **CorelDRAW** & **Canva**. Developed multiple **AI-driven** & **automation-based projects**, showcasing strong **problem-solving** & **innovation** skills. **Certified** in **Digital Marketing**, **Python**, **Data Analytics**, and **Soft Skills** by reputed platforms like **Google**, **CISCO**, and **NPTEL**. Known for being a **fast learner**, effective **communicator**, and dependable **team player** with a strong **attention to detail** and a **proactive mindset**.

Work Experience

- **Research Analyst Intern at Nebulyn, Ghaziabad**   **(Oct 2024 – Apr 2025)**
  - *Conducted comprehensive competitor and industry research to identify emerging trends, analyze market positioning, and provide actionable insights for strategic planning.*
  - *Collected, interpreted, and reported data findings from multiple sources, delivering detailed analyses to support Nebulyn's business objectives and decision-making processes.*

- **Internship at Medipol Pharmaceuticals Pvt. Ltd., Noida**   **(Aug 2023 – Sep 2023)**
  - *Completed a 5-week internship at Medipol Pharmaceuticals, gaining experience in tender filing, order tracking, and preparation procedures to learn practical industrial working style.*
  - *Enhanced skills in CorelDRAW software under expert mentorship, demonstrating commitment to learning and adaptability.*

- **Active Participation in Family Business**   **(Apr 2023 – Aug 2023)**
  - *Created detailed Excel spreadsheets for pricing calculations, incorporating delivery charges, amounts, commission percentages, and distance to transition the company to e-commerce with accuracy.*
  - *Demonstrated proficiency in handling data, managing inventory, and using Excel for practical business applications.*

Education

- **ABES Institute of Technology, Ghaziabad – 201009 (Pursuing)**
  Bachelors of Technology, Computer Science & Engineering, Specialization in Artificial Intelligence
  Abdul Kalam Technical University (AKTU – formerly UPTU)
  CGPA: 8.41/10
- **Bhai Parmanand Vidya Mandir School, Delhi – 110092**
  Intermediate: PCM with Computer Science in CBSE Board
  Cleared with 76.2% in 2023
- **New Oxford Public School, Delhi – 110091**
  Secondary education: Home Subjects in CBSE Board
  Cleared with 91.0% in 2021

Technical Skills

- **Programming Languages:** Python, C and Java
- **Database Management:** MySQL, SQL, SQLite
- **DSA:** Strong foundation in Data Structures and Algorithms
- **Design Tools:** Canva, Adobe Express, CorelDraw (Basic)
- **Version Control:** Git
- **Productivity:** Office 365 (Excel, Word, PowerPoint)

Projects

- ***HandScope – AI-Based System Control via Hand Gestures (Python, MediaPipe, OpenCV, PyAutoGUI)***
  Built a gesture-controlled automation tool enabling users to perform tasks like volume control, mute/unmute, system lock, screenshot, app launching, desktop switching, and voice message playback through hand gestures. Enhanced accessibility using real-time computer vision.
- **Telegram Bot for Billing & Stock Management** *(Python, MySQL, Telegram API)*
  Created a Telegram bot for automated bill generation and inventory tracking, integrating MySQL to streamline backend operations. Improved efficiency for small business workflows through chatbot-based interaction.

- **Canteen Management System** *(Python, MySQL)*
  Designed a robust canteen management tool covering order processing, real-time inventory updates, and billing. Demonstrated practical skills in GUI development, database integration, and workflow automation.
- **MySQL Backup & Recovery Utility** *(Python, MySQL)*
  Developed an automated utility to create text-based backups of MySQL databases. Ensured data integrity and simplified disaster recovery for small-scale applications.
- **Various Small Computation, Automation, and Management Projects**
  *Built multiple utility tools including a **Late Comers Management System (Desktop & Web)**, **Windows Login UI Replica**, **Cipher Tools for message Encryption-Decryption**, **Sound Swap Tool**, and an **SQL Deletion Prank Tool**. Also explored data manipulation using **Pandas** and **NumPy**, showcasing versatility in building efficient, creative, and purpose-driven mini projects.*

Certifications

- The Fundamentals of Digital Marketing - Google
- Biometrics online course offered by NPTEL - TCS iON
- Master Data Management for Beginners - TCS iON
- Elements of AI - Minna Learn
- The Joy of Computing using Python – NPTEL
- Developing Soft Skills & Personality – NPTEL
- Python Essentials 1 – CISCO Networking
- Data Science for Engineers – NPTEL
- Data Analytics with Python – NPTEL

Other Details

- **Position of Responsibility:** Elected as **Class Representative,** enhancing & depicting leadership & communication Skills
- **Typing Speed:** 50 WPM+ with 98%+ Accuracy
- **Languages Known:** Hindi (Native), English(Working Proficiency)
- **Soft Skills:** Attention to detail, Communication, Problem Solving, Critical Thinking, Adaptability, Quick Learning