SHAGUN GUPTA

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OBJECTIVE

Aspiring AI/ML Developer with a strong passion for advancing artificial intelligence technologies and driving innovation through research. Eager to contribute to cutting-edge projects that merge research insights with real-world impact, while continually expanding expertise in machine learning, deep learning, and data-driven problem-solving.

EDUCATION

Guru Jambheshwar University of Science and Technology, Hisar — India
Master of Computer Applications; CGPA: 8.6 — Jul 2023

Chaudhary Bansi Lal University, Bhiwani — India
Bachelor of Science in Computer Science; CGPA: 7.9 — Aug 2021

Vaish Model Senior Secondary School,Bhiwani — India
Intermediate in Science (CBSE) ; CGPA: 7.4 — Mar 2017

Mahavir Jain Senior Secondary School, Bhiwani — India
High School Education (HBSE) ; CGPA: 9.4 — Mar 2015

WORK EXPERIENCE

Jaypee Institute of Information technology, Noida — Present
Deemed to be University Under Section 3 of UGC Act

- Passionate Trainer and Researcher guiding students in AI, Machine Learning, Data Mining, and Python with hands-on practical skills.

- Helping students explore market-relevant research areas and develop competitive skills for the evolving AI landscape.

- Delivering immersive training sessions that blend theory with real-world applications, ensuring students are ready for industry challenges.

RESEARCH WORK

Influence of Deep Learning Models for Energy Efficiency in Sustainable AI — Present
Scrivener Publishing, Wiley, Scopus indexed.

Cloud Security and Computing Research in Digital Forensics — Jul 2024
National Conference on Managing Global Challenges Through Innovative Strategic Practices -TIT

E-Commerce Decentralized Through Blockchain — May 2024
ICAM-2023, HSCSIT-DST

URL-Based Sentiment Analysis of Product Reviews Using LSTM and GRU — April 2024
ICMLDE 2023, Procedia Computer Science Journal, Elsevier, Scopus indexed.

PROJECT WORK

Sentiment Analysis Feb 2023

- Gathered and analyzed product review data from relevant websites using advanced web scraping techniques, resulting in a 25 percent increase in positive reviews and a 10 percent decrease in negative feedback.
- Orchestrated text data analysis project leveraging NLP algorithms to determine sentiment polarity, achieving a 90 percent accuracy rate and enabling targeted marketing strategies based on customer sentiment insights.

Hotel Management System Nov 2022

- Design a pleasant web interface to oversee hotel affairs such as reservations, invoicing, arrive, departure, and disclosure.
- The adoption of such technology elevates hotel activity efficiency overall by 15 percent and streamlines the management process.

Survival Prediction Jul 2022

- Executed in-depth data exploration and advanced visualizations, enhancing dataset understanding by 18 percent.
- Streamlined data preprocessing techniques and evaluated models, increasing prediction accuracy of passenger survival by 20 percent using SVM, KNN, and Logistic Regression.

Price Forecasting Jun 2022

- Generate factors that most significantly influence house prices and affiliate initial resources with target one.
- Transformed information to find unseen traits and assuredly anticipated home prices by 10.5 percent higher accuracy.

INTERNSHIPS/TRAINING

- **Full Stack Web Development** Jul 2023
  Web Designing Cores, *E-Karma, India*

- **Machine Learning in alliance with Devtown** Oct 2022
  Assessed Data Analysis, *Ms-Learn, India*

- **Artificial Intelligence** Aug 2022
  Python and AI Grundlagen, *NIELIT, India*

PROGRAMMING SKILLS

- **Technical Skills:** Python, Data Analysis, Machine learning, NLP, Web Development.
- **Developer Tools:** Google Colab, Pycharm, Power BI, VsCode, Jupyter Notebook, Simulator.
- **Soft Skills:** Disseminated, Limberness, Diversified, Brainstormed, Sovereignty, Accentuated.

ACHIEVEMENTS

- Attended HUB and Spoke Mode Workshop on **"IoT and Its Applications"**organized by **Electronics and ICT Academy, IIT Guwahati**, exploring IOT architecture, sensors, communication protocols, real-world applications and data-driven intelligence through an interdisciplinary approach to IOT solutions in Mar 2025

- Honored as **highest ranking Achiever** for MCA in the entire University, Mar 2025.

- **HackerRank Certified Python Developer** Demonstrated proficiency in Python programming through successful completion of Hacker Rank's certification assessment.

- Endow with a Certificate of Participation for successfully completing a 5-day workshop on **"Business Intelligence and Analytics using Microsoft Power BI",** organized by the Department of HSS at JIIT, Noida

- Awarded a Certificate of Participation for a 3-day workshop on **"Exploring the Potential of Generative AI**: Applications, Challenges, and Future Perspectives", organized by the Institution Industry Linkage Cell, Department of CSE and IT, JIIT, Noida.

- Confer a Certificate of Participation for completing a 3-day training program on **"Employability Skills" under "Life Skills," programmed by Rubicon** at GJU, Hisar, in May 2022.

- Achieved excellent cadet **'C' certificate in the National Cadet Corps**, Mar 2021.