

Sahil Sharma

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Key Skills

- **Technical Skills:** Python, Python Machine Learning, Python Data Analytics, Java, Core Java, Java Collections Framework, Java Swings, JDBC, OOP, C/C++, HTML, CSS, JavaScript, Bootstrap, Node.js, React.js, Express.js, MongoDB, SQL, MySQL, PLSQL, Git, GitHub
- **Soft Skills:** Communication, Creativity

Education

- ❖ **Master of Computer Applications (MCA)** Sep 2022 – Jul 2024
 - Jagannath University, Bahadurgarh, Haryana 75.29% No Backlogs
- ❖ **Bachelor of Computer Applications (BCA)** Aug 2018 – Jul 2021
 - Guru Gobind Singh Indraprastha University, Dwarka Delhi CGPA: 7.26/10

Academic Projects

- ❖ **Video Streaming App** Jun 2024
 - Developed a high-performance video streaming platform using MongoDB, Express.js, React.js, and Node.js.
 - Implemented features like user authentication, video uploads, and real-time streaming.
 - Achieved a 50% increase in user engagement and a 40% reduction in buffering time through optimized server-side rendering.
 - Technologies: MERN Stack (MongoDB, Express, React.js, Node.js), Bootstrap </>
- ❖ **SMS Spam Classifier** Feb 2024
 - Created a user-friendly web application proficient in distinguishing between spam and non-spam messages, achieving a 93% accuracy rate and reducing spam-related incidents by 51%.
 - Used the logistic regression method of supervised learning to train and test the model.
 - Technologies: Python, Machine Learning, Pandas, Scikit-learn, Numpy, Flask </>
- ❖ **Object Detection** Dec 2023
 - Designed an easy-to-use GUI application capable of identifying humans in images with 10% to 100% accuracy, customizable like a hyperparameter, leading to a 40% improvement in operational efficiency.
 - Teamed up with a classmate to work along on this project, and divided tasks to complete this project in a modular way.
 - Accompanied by a published research paper in the esteemed journal "IJCAI".
 - Technologies: Pandas, Deep Face, Mask RCNN Resnet 50 FPN, Pytorch, Tkinter </>
- ❖ **Grocery Management System** Jun 2023
 - Built an intuitive GUI application for managing inventory, customers, bills, and staff, resulting in a 30% to 40% reduction in data entry errors and a 25% increase in overall productivity.
 - Technologies: Java, Collections Framework, Swings, AWT, Jasper Reports, MySQL </>

Certificates

- ❖ **React and Redux Certification Test** Mar 2024
 - KG Coding – YouTube Channel
- ❖ **Research Paper publication certificate** Feb 2024
 - International Journal of Computing and Artificial Intelligence (IJCAI)
- ❖ **Artificial Intelligence Workshop** Mar 2021
 - Vigyantram associated with Enactus IIT Delhi

Publications

- ❖ **Research Paper published**
 - Journal: International Journal of Computing & Artificial Intelligence (IJCAI)
 - Title: "Object Detection and Age, Gender Estimation using Deep Learning: An Overview"
 - This research paper was published on 17th February 2024, and associated with the project "Object Detection".
 - Paper link: <https://www.computersciencejournals.com/ijcai/archives/2024.v5.i1.A.78>

Extracurricular Achievements

- ❖ **GE Aerospace Explore Digital Technology virtual experience program** Apr 2024
 - Completed a Vue.js UI development simulation for the Frontend Development Team, demonstrating proficiency in Vue SFC Playground.
 - Applied Vue.js skills by adding features like headings, images, and dynamic variable displays. Implemented a compute button for efficient user interactions.
 - Drafted clear technical requirements for a feature, suggesting optimal order times for plane parts.
 - Explored strategies to align technical specifications with business requirements, ensuring effective solutions.
- ❖ **1st Prize in Poster-making and presentation** Dec 2023
 - Secured 1st Prize in a competitive Poster-making & presentation contest on 'Cloud Computing' at Jagannath Community College
 - Showcased innovative solutions, impressing a panel of 3 Professors.

Additional Information

- ❖ **Languages:** English (Professionally fluent), Hindi (Native)
- ❖ **Disabilities:** No physical disabilities
- ❖ Ready to join immediately.