

# AMAN SHUKLA

Aspiring Data Scientist | AI & Machine Learning Enthusiast | MCA Graduate from Banaras Hindu University

Analytical and detail-oriented postgraduate in Computer Applications with a strong foundation in **Python, AI/ML algorithms, and web technologies**. Demonstrated expertise in developing interactive applications using **React, MongoDB, and JavaScript**, and hands-on experience in data-driven projects integrating deep learning models. Passionate about exploring **Artificial Intelligence, Machine Learning, and Data Science applications** to solve real-world challenges. Currently seeking a role in Data Science or AI/ML research, leveraging both technical acumen and analytical reasoning to deliver impactful solutions.

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## EDUCATION

**Master of Computer Applications (MCA)**  
Banaras Hindu University, Varanasi  
2022 - 2024 CGPA - 6.8

**Bachelor of Science (Computer Science)**  
Banaras Hindu University, Varanasi  
2019 - 2022 CGPA - 7.9

## SKILLS



## WORK EXPERIENCE

**Frontend Web Development Intern**  
PIE INFOCOM Pvt. Ltd  
03/2024 - 06/2024 Lucknow, Uttar Pradesh  
Achievements/Tasks

- Collaborated with designers and backend developers to build interactive and responsive web pages using HTML, CSS, JavaScript, and React.js, ensuring a seamless and user-friendly interface.
- Optimized front-end performance by improving loading speed by 20%, implementing efficient code structures, and integrating RESTful APIs for real-time data rendering.
- Assisted in debugging, testing, and deployment of new modules, ensuring smooth functionality and improved user experience across multiple client projects.
- Contributed to the end-to-end development cycle, from understanding client requirements to delivering scalable, well-structured, and visually appealing web solutions.
- Gained hands-on experience in version control (GitHub), responsive design principles, and collaboration in an agile work environment.

## PROJECTS & RESEARCH

**Bone Fracture Detection in X-ray Images Using Deep Learning (Research Work)**

- Conducted an in-depth study on automated bone fracture detection using CNN and transfer learning models (ResNet, VGGNet).
- Built and tested deep learning models to identify fracture regions with high precision, though the paper was not accepted, the project demonstrated strong potential for medical image diagnostics.

### Mern Chatting Application (Mar 2024 - Jun 2024)

- Developed a real-time chat application using React, Node.js, MongoDB, and Socket.io.
- Enabled seamless and scalable communication between users with authentication and live message updates.
- Optimized backend database for faster message retrieval and reduced server latency.

### Quiz App using HTML, CSS, and JavaScript (Jun 2023)

- Designed and deployed a dynamic quiz platform with real-time feedback functionality.
- Enhanced user interaction by integrating logic-based scoring and response validation.
- Ensured smooth and responsive UI using CSS transitions and JS event handling.

## CERTIFICATIONS

**Python Programming – SWAYAM (2023)**  
Gained strong proficiency in Python fundamentals, data structures, and OOP concepts for scalable development.

**Hardware Security – (2024)**  
Explored the fundamentals of digital systems, hardware components, and data protection mechanisms.

**Google Cyber Security Certification (2024)**  
Acquired foundational knowledge in digital forensics, network security, and ethical hacking essentials.

## LANGUAGES

English  
*Full Professional Proficiency*

Hindi  
*Full Professional Proficiency*

## INTERESTS

