

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

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.

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.

SKILLS

Python

Web Development

JavaScript

SQL

Data Preprocessing

Machine Learning Models

AI

GitHub

MERN Stack

Deep Learning

Data Analyze

Time Management

Communication Skills

MS Office

Google Workspace

Strategic Thinking

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**.

LANGUAGES

English

Full Professional Proficiency

Hindi

Full Professional Proficiency

INTERESTS

Reading

Travelling

Coding

Artificial Intelligence

Machine Learning

Data Science

AI for Healthcare

Computer Vision