KUNAL AGARWAL

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Education

VIT Bhopal University   Bhopal, Madhya Pradesh
B.Tech in Computer Science and Engineering—CGPA: 7.96/10   October 2022 - Present

Technical Skills

- **Languages:** Python, Java, SQL
- **Core CS**: Data Structures & Algorithms, OOP, Operating Systems, Computer Networks
- **Frameworks & Libraries:** NumPy, Pandas, LangChain, Streamlit, Django, FastAPI
- **Tools & Platforms**: Git, GitHub, Postman, VS Code, Excel, Tableau, MySQL, PostgreSQL
- **Soft Skills:** Team Collaboration, Analytical Thinking, Problem-Solving Skills

Experience

Software Developer Intern   Feb 2025 - Apr 2025
Sagacity Softwares Pvt. Ltd.   Remote
- Contributed to the development and enhancement of web-based applications using Python and Django.
- Gained hands-on experience in backend development and adapting to project requirements.
- Collaborated with the team to implement new features and improve system efficiency.
- Maintained professional conduct while complying with confidentiality guidelines.

Projects

Bone Fracture Detection System   May 2024 – June 2024
Deep Learning Project   Python, PyTorch, NumPy, OpenCV
- Achieved 94% accuracy on COCO dataset with a CNN-based fracture detection model, increasing diagnostic speed by 60%over manual inspection.
- Processed and analyzed 5,000+ labeled medical images to train and evaluate the deep learning pipeline.

Content Management System   Jan 2025
- Designed and developed a full-stack CMS using React for the front-end, Node.js for the back end, and MongoDB for database management.
- Enabled users to create, manage, and publish content seamlessly with an intuitive interface and robust functionality.

AI Agent for Data Cleaning and Preprocessing   July 2025
- Built an AI-powered pipeline using Python, FastAPI, Streamlit, and LangChain Agents.
- Automated preprocessing of multi-source data (CSV, APIs, Databases) with hybrid rule-based + AI methods.
- Designed an interactive web UI and integrated with PostgreSQL for structured storage.

Chrome Extensions (Live on Chrome Web Store)
- Published multiple automation and productivity-focused extensions using JavaScript, HTML, CSS, and Chrome APIs.
- Focused on automation and productivity tools, deployed successfully on the Chrome Web Store.
- Successfully deployed on the Chrome Web Store, with active user adoption and regular updates.

Achievements / Certifications

- Secured 46th position out of 1500+ teams in the Shell AI Hackathon (Hackerearth, 2025) by developing an advanced AI-based solution for Blend Property Prediction.
- Postman API Fundamentals Student Expert | CERTIFICATE
- The Bits and Bytes of Computer Networking (coursera) | CERTIFICATE
- Data Analytics Job Simulation (Deloitte Australia, Forage) | CERTIFICATE
- Artificial Intelligence Fundamentals (IBM SkillsBuild) | CERTIFICATE