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Avinash Lodhi

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EDUCATION

ABES Engineering College   Ghaziabad, India
B.tech in Computer Science Engineering, CGPA: 8.1   *Nov 2022 – July 2026*

Renaissance School   Bulandshshr, India
CBSE Board — 10th: 93.4% & 12th: 95.2%   *2020 - 2022*

PROJECTS

- **DocuMind (Project Link)**: Built an AI chatbot that transformed 100+ pages of PDF documents into a searchable Q&A knowledge base; improved information retrieval time by 70% using GeminiAPI and LangChain memory components.
  Tech Stack: Python, Streamlit, Langchain, GeminiAPI, PyPDF, HuggingFaceBgeEmbeddings, ConversationBufferMemory

- **MailGenie (Project Link)**: Developed an AI email assistant that generated and sent personalized emails for 50+ users; reduced email writing time by over 80% using prompt templates and LangChain.
  Tech Stack: Python, Streamlit, Langchain, SMTP, SSL(Secure Socket Layers)

- **Medical Report Analyzer (Project Link)**: Engineered a comparative analysis feature within the Medical Report Analyzer that provided insights on medical test results, leading to an increase in diagnostic accuracy for users by 30% over a three-month period.
  Tech Stack: Python, Djnago, HTML, CSS, JavaScript

- **Farm-Mitra: (Project Link)**: A platform that eliminates middlemen by connecting farmers directly with buyers. This ensuresfair pricing, increases farmers' profits, and provides consumers with fresh produce at competitive rates.
  Tech Stack: Python, Djnago, HTML, CSS, JavaScript

ACHIEVEMENTS

- **Competitive Programming:**: Solved 250+ LeetCode problems; ranked among top 15% globally. Achieved 4-star HackerRank rating in Problem Solving.
- **Hackathons:** : Competed in HackedCode 2.0, Code Kshetra, Hack With India

CERTIFICATIONS

- **Problem Solving**: HackerRank Problem Solving Basic Certificate   View Certificate
- **AWS Academy Graduate**: AWS Academy Cloud Foundations Certificate   View Certificate
- **C Programming**: Completed via Infosys Springboard platform.   View Certificate
- **JavaScript Programming**: Completed via Infosys Springboard platform.   View Certificate

SKILLS

Languages:: C/C++, Python, JavaScript

Core Skills:: Data Structures and Algorithms, Technical problem solving, Web Development, Database Management Systems

Frameworks & Libraries:: Django, Flask, Panda, Matplotlib, Langchain, HuggingFace, Streamlit

Tools & Platforms:: Git, GitHub, VS Code, Linux, Bash, Docker

Frontend Development:: HTML5, CSS3, JavaScript