MAHAM BARIKA

KANPUR, UTTAR PRADESH

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EDUCATION

Dr. A.P.J. Abdul Kalam Technical University
Bachelor of Technology in Computer Science and Engineering (AI & ML)

November 2021- June 2025
Lucknow, Uttar Pradesh

WORK EXPERIENCE

FREELANCE SOFTWARE DEVELOPER | AL MANARA (KW)

- Designed, implemented, and maintained scalable and high-performance software solutions for 5+ international clients, ensuring optimized functionality and user satisfaction.
- Collaborated closely with clients and stakeholders to gather, analyze, and refine project requirements, achieving a 100% alignment with business objectives.
- Integrated third-party APIs, improved code efficiency, and optimized application performance, leading to a 20% reduction in load times and enhancing user engagement.
- Delivered customized solutions that significantly improved operational workflows, resulting in a 90% client satisfaction rate.

PROJECTS

ATTENDANCE SYSTEM USING CROWD COUNTING AND IMAGE RECOGNITION

Type: Full-stack Web Application
Tech Stack: Python, Keras, TensorFlow, OpenCV, MongoDB

- Objective: Developed an AI-powered attendance system that automates attendance tracking, replacing traditional manual methods.
- Impact: Reduced administrative workload by 30-40%, saving approximately 2-3 hours daily in institutional settings.
- Accuracy: Achieved 95% precision in attendance records by leveraging deep learning-based image recognition techniques.
- Security: Integrated anti-fraud measures to eliminate buddy punching, ensuring a 100% tamper-proof system

REMEDIIUM: A HEALTHCARE APPLICATION

Type: Web-based Healthcare Platform
Tech Stack: HTML, CSS, JavaScript, Django, Firebase (Realtime Database, Firestore, Firebase Storage)

- Functionality: Created an intelligent hospital finder tool, allowing users to search for hospitals based on location and disease type, improving accessibility to medical services.
- Feature Addition: Integrated a home remedies database covering 50+ common health issues, providing users with alternative treatment options.
- Usability: Designed a user-friendly, responsive interface, reducing navigation time by 20% compared to similar applications.
- User Impact: Served a growing user base of 100+ active monthly users, providing reliable and valuable health-related information.

SKILLS

- **Programming Languages: Python, Java**
- **Web Technologies: HTML, CSS, JavaScript, ReactJS**
- **Databases: MySQL, MongoDB, Oracle**
- **Tools and Frameworks: TensorFlow, PyTorch, Scikit-learn, Jupyter Notebook, APIs, CI/CD Pipelines, System Design**
- **Course Works: DBMS, Object Oriented Programming, Data Structures and Algorithms, Computer Networks, Operating Systems, Machine Learning, Cloud Computing, Software Engineering**
- **Soft Skills: Analytical Brainstorming, Troubleshooting, Task Prioritization, Collaboration, Articulate, Versatility, System Design Thinking**

CERTIFICATIONS

Programming Fundamentals using Python -1 InfyTQ
Programming Fundamentals using Python -2 InfyTQ

STRENGHTS

- **Front-end Development – Strong expertise in creating visually appealing and interactive user interfaces.**
- **Team Management – Excellent leadership skills, fostering collaboration and productivity in development teams.**