GOKULNATH R

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PROFESSIONAL SUMMARY

I'm a Computer Science graduate with a strong interest in Python development, data analysis, and AI/ML applications. I've built hands-on projects that involved working with machine learning models, data preprocessing, and using Python for data-driven insights. I'm also comfortable writing efficient SQL queries and have a solid understanding of relational databases. With foundational knowledge of cloud platforms like AWS and a keen interest in building intelligent systems, I'm eager to contribute to innovative, real-world AI and software solutions.

EDUCATIONAL QUALIFICATION

M.A.M School of Engineering   **NOV 2020 - JUL 2024**

Bachelor of Engineering | Computer Science and Engineering | CGPA:75.7%   Trichy, Tamil Nadu.

EXPERIENCE

Computer Lab Assistant   **SEP 2022 - APR 2024**

- Set up and maintained computer systems, ensuring optimal performance.
- Built and configured PCs, troubleshooting hardware and software issues.
- Configured IP addresses and managed network connectivity for lab systems.
- Installed and maintained operating systems, software, and security updates.
- Assisted students and faculty with system-related issues, improving lab efficiency.
- **Supported Tamil Nadu government police examinations and NPTEL examinations by setting up and managing network servers.**

PROJECTS

Universal Android Debloater Tool

- Efficiently removes unwanted bloatware Streamlines the process of identifying and uninstalling unnecessary pre-installed apps.
- Extends battery duration by eliminating battery draining resources.
- Boosts phone speed and responsiveness by freeing up storage and RAM.

YouTube Insights Engine

- YouTube API data analysis involves extracting valuable information from YouTube's vast dataset to gain deeper understanding of video performance, audience behavior, and platform trends.
- Analyze metrics like views, likes, comments, shares, watch time, and audience retention to identify top-performing content and areas for improvement.
- Identify content gaps, optimize video formats, and create engaging content that resonates with the target audience.

TECHNICAL SKILLS

- **Programming Languages:** Python (control flow, functions, file handling, OOPS), Bash.
- **Database Management:** Good grasp of relational database concepts, ER models, and writing optimized SQL queries
- **Machine Learning & AI:** Understanding of ML workflows - data preprocessing, model training, exposure to prompt engineering and document analysis.
- **Cloud:** Basic familiarity with deploying apps on AWS and using virtual environments (VMware, VirtualBox)
- **Tools & Technologies:** Git, Microsoft Office, Google Workspace

COURSE & CERTIFICATION

- Full Stack with Python Course at – GUVI
- Introduction to Cloud at – IBM
- JS Development at - GUVI
- Machine Learning with Application to Object Recognition at – NM