DEEPAYAN DAS

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portfolio

SUMMARY

Motivated and curious engineering graduate with hands-on experience in scripting, virtualization, and full-stack development. Comfortable working across system-level tools and modern web stacks. Focused on building practical solutions and continuously learning through real-world projects.

WORK EXPERIENCE

Development Engineer Intern, Calsoft Inc   **Feb 2025 - Present**

- Developed TierSense, a PoC for AI-assisted storage tiering using real-time file access patterns.
- Built with Filebeat, FastAPI, multi-LLM support, and Docker for portability.
- Reduced manual analysis overhead by 70% in simulated environments.

SQL Summer Intern, Celebal Technologies   **Jun 2024 - Aug 2024**

- Collaborated on SQL database development and optimization tasks.
- Wrote and tested efficient SQL queries for real-world data analysis use cases.
- Gained hands-on exposure to data modeling, indexing, and query tuning in production-like environments.

Personal Project: VM AutoScaler (PowerShell-based VM Control) | GitHub

- Built an automated VM scaler using PowerShell to control VirtualBox VMs based on real-time CPU usage over SSH.
- Applied threshold logic: scale-out >50%, scale-in <30%, ensuring efficient resource utilization.
- Integrated with Task Scheduler; tested using stress.

 Tools: PowerShell, VirtualBox, SSH, Linux

EDUCATION

Bachelor of Technology in Information Technology   **Sep 2021 - Jul 2025**

Maulana Abul Kalam Azad University of Technology | CGPA: 8.68
Final Year Project: ExplorEase – Built a MERN-based travel platform with hotel search, secure auth, booking flow, and media uploads. Planned AI chatbot and payment features.
GitHub

ADDITIONAL INFORMATION

- **Technical Skills:** Python, Java, MERN, DevOps, GenAI, Linux, Windows
- **Languages:** English, Bengali, Hindi
- **Certifications:** Oracle AI Vector Search Certified Professional, AI for Everyone(Coursera)
- **Awards/Activities:** Top 10 at AEC Hardware model making competition, Member of AEC Coding Club, JIS Samman Band winner