January 5, 2026

Mitsubishi Electric Europe B.V.
Niederlassung Deutschland
Infrastructure Business Area Project Office
Mitsubishi-Electric-Platz 1
40882 Ratingen
Germany

Dear Hiring Team,

I am writing to apply for the position of **Working Student Software Development (Python, Java, AWS)** at Mitsubishi Electric Europe B.V. I am currently pursuing a Master's degree in Artificial Intelligence at BTU Cottbus-Senftenberg and bring hands-on experience in Python-based software development, cloud systems, and data processing.

At Ericsson, I worked as a Data (Platform) & AI Engineer, where I designed and operated proof-of-concept and production systems using **Python**, **Apache Airflow**, and **AWS**. My responsibilities included building automated workflows, integrating external systems, processing large-scale datasets, and documenting technical solutions. I also developed custom distributed processing solutions on VMware-based VPS environments to accelerate XML data parsing and analytics workloads.

These experiences align closely with your focus on PoC/MVP development, cloud-hosted applications, data ingestion and transformation, and rapid iteration in short development cycles. I am particularly motivated to further develop my skills with **AWS managed services** and lightweight, scalable system architectures in an industrial and innovation-driven environment.

I am highly self-motivated, quick to learn, and enjoy translating conceptual ideas into working systems with clear technical structure. I would be pleased to contribute these skills and my enthusiasm for software development to your team as a working student.

Kind regards,
Khaleel Ahmad
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