JOEL SHIBU

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MCA student specializing in Generative AI

Summary

Motivated MCA student specializing in Generative AI with practical experience in Python, deep learning, and web technologies. Skilled in both front-end (HTML, CSS) and back-end (SQL, Git) development, with a good understanding of Agile methodologies. Strong problem-solving skills and a collaborative mindset. Passionate about building intelligent systems that merge software engineering with modern AI tools.

Education

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY – KTR **2024 - Present**

Master of Computer Application specializing in Generative AI *CGPA – 9.09*

BASELIOS POULOSE SECOND COLLEGE – PIRAMADOM **2021-2024**

Bachelor of Computer Application *CGPA-7.65*

Skills

Python
Libraries: TensorFlow, NumPy, Pandas, Matplotlib, Flask

SQL
Software: MySQL

HTML
Usage: Responsive Design ,Structure Creation

CSS
Libraries: Bootstrap, Tailwind CSS

Git
Software: GitHub

Problem Solving
Concept: Logic Building, Debugging

Projects

Resume Parser using Python & Generative AI – *personal project* May 2025

- Engineered a smart resume parser leveraging transformer-based NLP models (spaCy, Hugging Face) to extract structured data like name, skills, and experience.
- Enabled support for PDF/DOCX parsing with real-time semantic analysis and field extraction.
- Designed a prototype interface for interactive resume uploads and output visualization.

Multi-Agent AI File Processor – *personal project* June 2025

- Built a modular, agent-based system in Python to autonomously process PDFs, JSON files, and emails.
- Implemented asynchronous agent workflows for classification, validation, and data handling.
- Designed for scalability and extensibility, improving automation of large-scale document pipelines.

Deepfake Detection using ResNet (Authentify) – *academic project* 2024

- Developed a ResNet-50-based deep learning model achieving 96.99% test accuracy on 140K+ real and fake face images.
- Applied transfer learning and advanced preprocessing techniques for high-precision classification.
- Deployed a Flask web app with intuitive UI for real-time deepfake detection.

Home Service Booking Web App (Tenement) – *academic project* 2023

- Built a full-stack home services platform using PHP, MySQL, Bootstrap, and JavaScript, supporting role-based access for users, providers, and admin.
- Implemented core modules for booking, feedback, complaints, and medical assistance services.
- Ensured a responsive and user-friendly interface, backed by a well-normalized relational database schema