YASHWANTH J

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PROFILE SUMMARY

Full-Stack Developer with experience building scalable web applications and AI-powered systems using Python, Django, Flask, JavaScript, ReactJS, SQL and Git. Skilled in RESTful API development, dynamic UI design, and deployed cloud-native solutions on AWS and GCP, reducing latency and improving scalability for user-facing platforms. Contributes to Generative AI projects involving LLM fine-tuning (LoRA, PEFT), RAG pipelines, and LangChain for multimodal document and image processing.

PROFESSIONAL EXPERIENCE

AU Small Finance Bank | Apr 2024 – Present

- o   Software Engineer 1 – Full Stack Developer | Jul 2024 – Present
- o   Intern – Full Stack Developer | Apr 2024 – Jul 2024
- Led the development of secure, scalable full-stack systems using Python, Flask, JavaScript, and SQL, with a focus on delivering user-centric features and performance optimization.
- Designed and maintained CRM platforms with dynamic front-end interfaces and robust backend logic, resulting in a 30% improvement in customer management efficiency.
- Built a multimodal AI system for classifying government documents and extracting data, achieving 95% inference accuracy and reducing manual entry effort by over 80%, significantly boosting processing efficiency.

EDUCATION

SRM Institute of Science and Technology, Chennai, TN | Sep 2020 – Jun 2024
Bachelor of Engineering – Computer Science (Cybersecurity) CGPA: 9.08
Narayana Junior College | Jun 2018 – Mar 2020
Intermediate
Percentage: 95.1

TECHNICAL SKILLS

Backend:	Python, .NET, Flask, FastAPI, REST APIs, AI-centric frameworks, AI Pipelines, AI model Integration
Frontend:	HTML, CSS, JavaScript, ReactJS
Databases:	MySQL, PostgreSQL, MongoDB, Qdrant, AI-specific databases (e.g., embeddings, vector search)
Generative AI:	LLMs, Transformers, GPT models, LangChain Framework, RAG technique, Fine tuning models, NLP techniques, LoRA, PEFT
ML Frameworks:	TensorFlow, PyTorch, Keras, NLP for text generation, sentiment analysis, and contextual comprehension **Cloud**
Services:	AWS, GCP, AI model deployment, management, Jenkins
Languages:	Python

PROJECTS

- **Generative AI for Image Analysis, Document Classification and Data Extraction**

  Developed a multimodal Generative AI system for advanced image analysis and data extraction.

  - The system classifies uploaded images as specific document types (e.g., PAN, Aadhaar) with over 90% inference accuracy.
  - Reduced manual data entry effort by more than 80%, significantly enhancing document processing speed, accuracy, and scalability.

- **Nanobanking - Branch Register**

  Designed and built full-stack web application using Python Flask, HTML, CSS, JavaScript, and MongoDB to support secure and efficient banking operations.

  - **Maker-Checker Workflow**: Implemented a dual-layer verification system where the Maker inputs details, and the Checker validates and approves/rejects entries.