

AVINASH RANJAN

Email: avinashranjan633@gmail.com | LinkedIn: <https://www.linkedin.com/in/avinashranjan9/>

CAREER OBJECTIVE

Results-driven Full-Stack Developer and AI/ML Engineer with 4+ years of experience designing and developing scalable web applications and AI-powered solutions. Proven expertise in Python, Django, React.js, Large Language Models (LLMs), and cloud infrastructure. Seeking to leverage my technical skills to drive innovation and deliver exceptional results.

TECHNICAL SKILLS

Programming Languages: Python, PHP, JavaScript, jQuery

AI/ML Technologies: Large Language Models (LLMs), Prompt Engineering, NLP, Vector Embeddings, RAG Systems, OpenAI API, AWS Bedrock, Model Training, EDA

Frameworks & Libraries: Django, Laravel, React.js, NumPy, Pandas, Matplotlib

Databases: PostgreSQL, MySQL, Vector Databases (pgvector, Pinecone)

DevOps & Cloud: Docker, Kubernetes, AWS (EC2, S3, Lambda, Bedrock), Git, GitLab, CI/CD

Others: Unit Testing, Agile Methodologies, MS Office Suite

PROFESSIONAL EXPERIENCE

Django Developer | DLAI (DeepLogic AI)

August 2022 - Present

- Lead backend development, architecting complex APIs and AI/ML-driven solutions using Django framework
- Designed and implemented LLM-based document processing systems using OpenAI and AWS Bedrock for intelligent data extraction
- Built vector database solutions using pgvector and Pinecone for semantic search and similarity matching across 2000+ documents
- Developed AI-powered email agents leveraging Large Language Models for automated document processing and key-value extraction
- Implemented RAG (Retrieval-Augmented Generation) pipelines for enhanced document understanding and question-answering systems
- Containerized applications using Docker and orchestrated deployments with Kubernetes for scalable, production-ready infrastructure

Full-Stack Developer | SRV Technology

July 2020 - July 2022

- Developed and maintained full-stack applications using Laravel, Django, and React.js
- Designed RESTful APIs and optimized database schemas for improved performance
- Implemented Docker containers for application deployment and scaling
- Built machine learning models for data analysis and prediction systems

KEY PROJECTS

EPIC Email Agent - AI-Powered Document Processing (DLAI)

- Technologies: Django, LLM, Vector Search, PostgreSQL, OpenAI, AWS Bedrock, RAG
- Developed intelligent email agent using Large Language Models and vector databases to automatically extract key-value pairs from PDFs
- Implemented advanced prompt engineering and RAG architecture for context-aware document understanding

Document Similarity Engine

- Technologies: Python, Django, PostgreSQL, HNSWlib, OpenAI/AWS Bedrock, Vector Embeddings
- Built PDF similarity search system using vector embeddings and cosine similarity, processing 2000+ documents
- Enabled semantic search capabilities for retrieving relevant documents based on meaning

Digital Transformation Centre (DLAI)

- Technologies: Django, PostgreSQL, Docker, Kubernetes
- Developed scalable low-code SaaS platform with Docker containerization and Kubernetes orchestration
- Implemented multi-channel integration (Email, SFTP, FTP) for automated file processing

EPIC - AI Document Processing (DLAI)

- Technologies: Django, JavaScript, PostgreSQL, HTMX, AI/ML
- Implemented AI-powered system for marking bounding boxes on PDFs and extracting key-value pairs with ML accuracy calculation

House Price Prediction - ML Portal

- Technologies: Python, Flask, Machine Learning, Jupyter Notebook, JavaScript
- Developed end-to-end ML application for house price prediction with data preprocessing, feature engineering, and model training

Blackbox Logger - Python Package

- Technologies: Python, Django, Flask, PyPI
- Created Python package for comprehensive API logging with sensitive data masking for secure auditing

EDUCATION

Master of Computer Applications (Data Science) - Jain University, Bangalore, India | July 2022 - June 2024

Bachelor of Computer Applications - Techno India Salt Lake, Kolkata, India | July 2017 - June 2020