ALLENKI HARSHINI

Hyderabad, India | +91 8317555250 | harshiniallenkiguptha16@gmail.com
https://www.linkedin.com/in/allenki-harshini-107829255 | https://github.com/Harshini1603

PROFESSIONAL SUMMARY

AI/ML Engineer and Full-Stack Developer with 1+ year of industry experience building Generative AI applications, Retrieval-Augmented Generation (RAG) pipelines, and scalable React.js web platforms. Built an LLM-powered AI PMO Assistant using Python, LangChain, ChromaDB, and FastAPI that automates Jira Epics, User Stories, and Acceptance Criteria from BRD/SRS documents. Delivered production front-end features for a client serving approximately 3 million users. Skilled in document ingestion, text chunking, vector embeddings, semantic search, prompt engineering, and REST API development. AWS Certified Cloud Practitioner with hands-on knowledge of EC2, S3, IAM, and Lambda. B.Tech in CSE (AI/ML) with a 9.08 CGPA.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript (ES6+)

Generative AI & LLMs: Large Language Models (LLMs), Generative AI, Retrieval-Augmented Generation (RAG), LangChain, Prompt Engineering, LLM Integration, AI Workflow Automation

NLP & Retrieval: Natural Language Processing (NLP), Vector Embeddings, Semantic Search, Document Ingestion, Text Chunking, Information Retrieval

Machine Learning: Machine Learning, Deep Learning, Computer Vision (Facial Recognition), Model Training, Model Evaluation, Classification

Vector Databases: ChromaDB

Backend & APIs: FastAPI, RESTful APIs, Firebase (Authentication, Firestore, Security Rules)

Frontend: React.js, HTML5, CSS3, Tailwind CSS, ShadCN UI, Responsive Design, Reusable Components, Figma-to-Code

Cloud & DevOps: AWS (EC2, S3, VPC, IAM, Lambda, CloudWatch, Route 53), CI/CD Fundamentals

Tools & Practices: Git, GitHub, Code Reviews, Pull Requests, Jira, Agile/Scrum, VS Code, Jupyter Notebook

PROFESSIONAL EXPERIENCE

Teleperformance, Hyderabad

June 2025 – Present

IT Analyst – Frontend Developer (React.js) & AI Engineer

AI Engineering – AI PMO Assistant (Generative AI / RAG)

- Developed an AI-powered PMO Assistant for intelligent requirement analysis using Python, FastAPI, React.js, and REST APIs.
- Implemented a Retrieval-Augmented Generation (RAG) pipeline with LangChain, ChromaDB vector database, and an LLM (Grok) to ingest, chunk, embed, and semantically search project documents.
- Automated generation of Jira Epics, User Stories, Acceptance Criteria, Tasks, Story Points, and Priorities directly from BRD/SRS documents, reducing manual requirement-analysis effort.
- Designed prompt engineering strategies to produce structured, consistent, and context-aware LLM outputs.
- Built the full-stack application end to end, integrating the LLM backend (FastAPI) with a React.js front end.

Frontend Development – React.js

- Developed and maintained scalable React.js web applications for a Canada-based client serving approximately 3 million users.
- Built responsive, reusable UI components from Figma designs using React.js, Tailwind CSS, and ShadCN UI.
- Contributed to key modules including Portal, Web Portal, and Marketplace, focusing on performance optimization and scalability.
- Managed Firebase integrations including authentication, database security rules, and front-end connectivity.
- Delivered feature enhancements and bug fixes through Jira tickets within Agile/Scrum sprint cycles.
- Collaborated with cross-functional teams through GitHub pull requests, code reviews, and version-control best practices.

PROJECTS

Face Attendance System with Cloud Integration *Python, Computer Vision, AWS*

- Developed an AI-powered facial recognition system using computer vision and machine learning for automated attendance tracking.
- Integrated AWS cloud infrastructure for real-time storage and retrieval of attendance data.

XSS Attack Detection System *Python, Machine Learning, React.js*

- Built a machine learning classification system to detect and prevent cross-site scripting (XSS) attacks in web applications.
- Strengthened web application security using adaptive machine learning algorithms with a React.js interface.

EDUCATION

B.Tech in Computer Science and Engineering (AI & ML) *April 2025*

Malla Reddy University, Hyderabad | CGPA: 9.08 / 10

Intermediate (Class XII) *April 2021*

Sri Chaitanya Junior College, Hyderabad | Percentage: 95%

CERTIFICATIONS

- AWS Certified Cloud Practitioner – Amazon Web Services
- AWS DevOps: Continuous Integration, Delivery, and Deployment (CI/CD)
- NPTEL – Deep Learning
- Infosys – Artificial Intelligence; Machine Learning
- Coursera – Python Data Structures; HTML5, CSS3, JavaScript; English Communication