

ASHIKA S

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CAREER OBJECTIVE

B.Tech (AI & Data Science) student with hands-on experience building full-stack applications, Generative AI features, and Machine Learning models. Proficient in Python, React.js, FastAPI, and cloud-ready deployment, with a strong record of shipping production-oriented AI-integrated software.

INTERNSHIP

SPYYDA TECH SOLUTIONS | SOFTWARE DEVELOPER INTERN Dec 2025 – May 2026

- Built and deployed full-stack modules using React.js, Next.js, FastAPI, PostgreSQL, and MongoDB for **Career Campus**, including authentication and REST API integrations.
- Engineered AI-powered features for **Interview Copilot**, including automated resume analysis and AI-generated personalized study plans.

IBM SKILLSBUILD | DATA SCIENCE INTERN Jun 2025 - Jul 2025

- Built and deployed an Employee Salary Prediction system using Python, Scikit-learn, and Streamlit, training regression models on real-world datasets.
- Designed an interactive UI with data visualizations, improving stakeholder interpretation of salary prediction insights.

PROJECTS

RAG AI-POWERED WEBSITE CHATBOT | FASTAPI + REACT.JS + CHROMADB + GEMINI API + MACHINE LEARNING

- Built a Retrieval-Augmented Generation (RAG) chatbot that answers questions from website content using vector embeddings and semantic search via ChromaDB.
- Integrated the Gemini API for AI-powered response generation, delivering context-aware answers grounded in retrieved source content.

ENTERPRISE AI WORKFLOW AUTOMATION PLATFORM | AGENTIC AI + TOOL CALLING + FASTAPI/NODE.JS + POSTGRESQL

- Designed an agentic workflow automation platform with a DAG-based execution engine supporting conditional branching, parallel steps, retries, and human-in-the-loop approvals.
- Built a schema-validated tool-calling registry with Slack, REST API, and SQL integrations, backed by checkpointed state management for durable, resumable workflow runs.

INTERVIEW COPILOT – AI INTERVIEW PREPARATION PLATFORM | NEXT.JS + FASTAPI + POSTGRESQL + GENAI

- Built a multi-tenant platform with role-based access (Super Admin, College Admin, Student) and integrated the Gemini API to generate AI-based study plans from resume analysis.
- Implemented asynchronous task processing with Celery and Redis and a token-based access-control system.

EDUCATION

KGISL INSTITUTE OF TECHNOLOGY

B.TECH (HONS) IN AI & DATA SCIENCE
Expected 2026 | Coimbatore
GPA: 8.1 / 10

SRI RANGANATHAR MHSS

HIGHER SECONDARY
2022 | Coimbatore
Percentage: 90.16%

SRI RANGANATHAR MHSS

SECONDARY
2020 | Coimbatore
Percentage: 84.8%

TECHNICAL SKILLS

- Languages:** Python, JavaScript, SQL, Dart
- Frontend:** React.js, Next.js, Bootstrap, Flutter
- Backend:** Node.js, Express.js, FastAPI, Django
- Database:** MongoDB, PostgreSQL, MySQL
- AI/ML:** TensorFlow.js, Scikit-learn, GenAI, RAG, Agentic AI
- Tools:** Git, Streamlit, Celery, Redis, Excel, Power BI

CERTIFICATIONS

- Earned Microsoft SQL Certification
- Mastered Gen AI Tools – NGP iTECH
- Achieved Oracle Foundations Associate
- Completed AI and ML Certification from Intellipaat
- Completed Linux Certification from Intellipaat

ACHIEVEMENTS

- Secured 2nd Prize – IoT Train Accident Prevention, Science Expo
- Won 4th Prize – SIH Thiruvizha, KGISL Institute of Technology
- Presented Paper – IDEATRIX 2025, NGI TBI