

SUDEEN JAIN H R

AI & Machine Learning Engineer

@sudinhr1@gmail.com

+91~8762862509

Mukka, Mangalore

sudeenjain

sudeenjain.github.io/portfolio

in sudeenjain



PROFESSIONAL SUMMARY

Results-driven AI & ML Engineer pursuing B.Tech (AI & ML) at Srinivas University. Demonstrated expertise in Python, Machine Learning, NLP, and IBM Watsonx.ai. Proficient in Cloud Computing (AWS & Azure), full-stack web development, and algorithm design. Completed three AICTE-recognized internships and delivered production-grade AI projects spanning recommender systems, fitness agents, and cloud-deployed web applications.

EDUCATION

B.Tech in Artificial Intelligence & Machine Learning

Srinivas University

Aug 2023 - May 2027

Mukka, Mangalore

EXPERIENCE

AI & Machine Learning Intern

Averixis Solutions | AICTE Recognized • Google Cloud Partner

Aug - Dec 2025

Remote, India

- Engineered and evaluated 4+ ML models (supervised & unsupervised), reducing model error rate by **18%** through iterative hyperparameter tuning.
- Completed 100% of AICTE program milestones on schedule, delivering 3 end-to-end practical AI projects.
- Processed and cleaned datasets of **10,000+ records** for real-world model training and validation tasks.

Front-End Web Development Intern

Edunet Foundation | AICTE • IBM SkillsBuild (6 Weeks)

2025

Remote, India

- Developed **3 responsive web applications** using HTML5, CSS3, and JavaScript with cross-browser compatibility across 4 platforms.
- Executed all deliverables within 6 weeks, meeting UI/UX standards and production deployment requirements.

Emerging Technologies Intern

Edunet Foundation | AICTE • IBM (4 Weeks)

2025

Remote, India

- Deployed **2 cloud-based prototypes** on IBM Cloud infrastructure through a structured IBM-backed AI and Cloud program.
- Earned AICTE-verified completion certificate upon meeting all program performance benchmarks.

PROJECTS

Fitness Buddy AI Agent | github.com/sudeenjain

IBM Watsonx.ai • Granite LLM • RAG • NLP • IBM Cloud

KEY ACHIEVEMENTS



Algorithm Accuracy +20%

Improved ML model accuracy by **20%** through optimised preprocessing and hyperparameter tuning.



Cloud Efficiency +30%

Boosted cloud deployment efficiency by **30%** across AWS and Azure production environments.



1,000+ Monthly Users

Book recommender actively used by over **1,000 users/month** with high engagement.



Retention +15%

Game difficulty balancer raised player retention by **15%** via adaptive algorithmic logic.



3 AICTE Internships

Secured and completed **3 AICTE-recognised** internships in AI & ML, Cloud, and Web Development.

TECHNICAL SKILLS

Programming Languages

Python

Java

JavaScript

SQL

HTML5

CSS3

AI / ML / Data Science

Machine Learning

Deep Learning

NLP

RAG

Collaborative Filtering

Data Science

IBM Watsonx.ai

Cloud & DevOps

AWS

Microsoft Azure

IBM Cloud

Git

GitHub

Firebase

Frameworks & Tools

Streamlit

Pandas

NumPy

Figma

RDBMS

Advanced Java

CERTIFICATIONS



AWS Academy Cloud Foundations



Azure Fundamentals - Microsoft



Getting Started with AI - IBM



Solution Architecture - Job Simulation

- Architected an AI fitness agent using IBM Watsonx.ai and RAG, delivering personalised plans to **50+ test users** with **90%+ query accuracy**.
- Integrated vector-indexed knowledge base with NLP prompts across weight loss, stamina, and strength categories.

Movie Recommendation System | github.com/sudeenjain

Python • Collaborative Filtering • Cosine Similarity • Pandas

- Constructed a content-based and collaborative filtering engine on **5,000+ movies**, optimising recommendation precision by **22%** via feature engineering.

Product Recommendation System | github.com/sudeenjain

Python • Machine Learning • SVD • E-Commerce Data

- Designed an SVD-based personalised recommendation engine on **50,000+ user-product records**, improving suggestion relevance by **25%** over baseline.

Book Recommender System | github.com/sudeenjain

Advanced Java • OOP • Data Filtering • RDBMS

- Built an Advanced Java recommender serving **1,000+ monthly users**, cutting query response time by **30%** via optimised data retrieval algorithms.

✔ IBM ML & AI – IBM SkillsBuild

LANGUAGES

English 

Kannada 

Hindi 