SUDARSI SHASHI KUMAR

Rajkot, Gujarat | +91 6303268680 | shashisudarsi@gmail.com | linkedin.com/in/shashisudarsi github.com/shashisudarsi

SUMMARY

B.Tech Computer Science student specializing in Machine Learning, predictive modeling, and applied AI systems. Experienced in developing scalable ML pipelines, containerized microservices, and deep learning architectures utilizing Python, Scikit-Learn, PyTorch, and SQL. Proven capability in applying MLOps practices, CI/CD pipelines, Docker containerization, and Cloud Computing (AWS) to deliver reliable, production-ready AI solutions.

SKILLS

- Programming Languages: Python, SQL, Java, C, C++
- Machine Learning & MLOps: Supervised & Unsupervised Learning, Scikit-Learn, NumPy, Pandas, Feature Engineering, MLOps, Model Monitoring
- Deep Learning & Applied AI: Deep Learning Architectures (CNN/RNN/Transformers), PyTorch, TensorFlow, Generative AI, Transfer Learning, NLP
- Cloud & DevOps: Docker / Containerization, CI/CD Pipelines, Cloud Computing (AWS / GCP), Unit Testing / PyTest, Git, GitHub
- Web & API Development: REST APIs / FastAPI, Microservices, HTML5, CSS3, Vercel
- Tools & Platforms: VS Code, IBM Watson Studio, watsonx Assistant, Google Search Console

PROJECTS

Early Disease Prediction System | Machine Learning & Docker Containerization

- Engineered diagnostic classification models with Scikit-Learn and Pandas across 10+ clinical indicators, achieving 94% ROC-AUC accuracy.
- Implemented systematic Unit Testing / PyTest suites and cross-validation pipelines comparing Logistic Regression, Random Forest, and Gradient Boosting.
- Containerized model inference microservices with Docker and REST APIs / FastAPI, establishing CI/CD pipelines to ensure low-latency scoring under 120ms.

CarrerAi — Intelligent Career Assistant | Generative AI & Cloud Computing

- Architected an AI-driven career recommendation engine utilizing Deep Learning Architectures (Transformers) and semantic NLP embeddings.
- Integrated structured SQL database queries to deliver personalized learning paths and resume insights for 200+ active users.
- Streamlined model serving leveraging Cloud Computing (AWS) and modern MLOps practices, cutting inference latency by 35%.

E-Learning Student Engagement Segmentation | Unsupervised ML & Data Visualization

- Segmented 500+ learner activity records using K-Means clustering and PCA dimensionality reduction to identify at-risk student cohorts.
- Conducted robust feature scaling using StandardScaler and determined optimal cluster thresholds via Elbow Method and Silhouette Analysis.
- Delivered actionable engagement reports utilizing Data Visualization (Matplotlib / Seaborn) to map multi-variable behavioral patterns.

EXPERIENCE

AICTE – BharatCares – IBM SkillsBuild | Remote

Machine Learning & Applied AI Intern | Aug 2026 – Sep 2026

- Engineered end-to-end predictive pipelines with Pandas, NumPy, and Scikit-Learn for data preprocessing, feature imputation, and outlier detection.
- Trained and fine-tuned supervised classification algorithms, achieving a 15% improvement in F1-score over baseline models.
- Developed automated Unit Testing / PyTest verification routines and packaged inference workflows using Docker / Containerization.
- Deployed conversational AI workflows via IBM watsonx Assistant and collaborated across CI/CD pipelines using Git, GitHub, and IBM Watson Studio.

EDUCATION

Marwadi University, Rajkot, Gujarat

Bachelor of Technology in Computer Science and Engineering | Expected 2028

- Cumulative CGPA: 8.5 / 10.0

Narayana College, Hyderabad

Class XII (State Board) | 2024

- Percentage: 92.0%

Domnics Daisy Flower High School, Hyderabad

Class X (State Board) | 2022

- Percentage: 95.0%

CERTIFICATIONS

- Machine Learning & Applied AI Internship — AICTE | BharatCares | IBM SkillsBuild
- Database Programming with SQL — Oracle Academy
- Artificial Intelligence Fundamentals & Generative AI in Action — IBM SkillsBuild
- Chatbot Design & Integration with IBM watsonx Assistant — IBM SkillsBuild
- AI/ML National Workshop — Techkriti’25, IIT Kanpur
- Java Foundations Professional Certificate — Oracle Academy