

ASNEEM ATHAR SHAIK

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LinkedIn



GitHub

EDUCATION

VIT-AP University

B.Tech in Computer Science and Engineering (CGPA: 8.3/10)

Sept 2022 – Present

Amaravati, India

Rajiv Gandhi University of Knowledge Technologies

Intermediate Education, MPC (CGPA: 9.34/10)

Jan 2020 – Aug 2022

AP, India

SKILLS

Languages: Java, Python, SQL, JavaScript, HTML, CSS

Frameworks/Tools: TensorFlow, PyTorch, Flask, FastAPI, Streamlit, SQLAlchemy, Git, MongoDB, Azure

Concepts: Machine Learning, Deep Learning, Federated Learning, RAG, Data Structures, Algorithms, REST APIs

PROJECTS

Kaal Sethu - Digital Time Capsule | Node.js, MongoDB, Azure Blob, Three.js

Personal Project

- Built full-stack application with 50MB file upload limit supporting audio, video, and image formats for future messaging and historical exploration.
- Implemented immersive 3D galaxy interface using Three.js and integrated community features for collective memory sharing across different decades.

Purr-fect AI Study Assistant | Flask, Gemini API, RAG, Tailwind CSS

HackVerse Hackathon

- Developed AI-powered study assistant competing against 500+ participants, achieving First Runner-Up position with RAG pipeline using Google Gemini 2.0.
- Engineered PDF parser, smart flashcard system with OCR, and Pomodoro timer delivering complete prototype in 36-hour hackathon timeframe.

Early Prediction of Chronic Kidney Disease | Flask, AdaBoost, ML

- Achieved 98.75% accuracy using AdaBoost Classifier, outperforming Logistic Regression, Random Forest, and XGBoost algorithms.
- Deployed secure Flask web application with robust data privacy controls and user-friendly risk assessment interface.

Federated Learning on Raspberry Pi4 | TensorFlow, Flask, Socket Programming

- Implemented distributed ML training across Raspberry Pi devices using MNIST dataset while preserving data privacy through local training.
- Optimized model weight transmission with socket programming and integrated delay functions for data integrity in client-server architecture.

RESEARCH

Federated Learning for Smart Agriculture: Challenges and Opportunities – Published comprehensive review analyzing FL applications in agriculture with 19 citations focus on crop yield prediction and disease detection while maintaining data privacy.

Unveiling the Mysteries of the Oort Cloud – Conducted advanced simulations analyzing genesis, composition, and dynamics of the Oort Cloud and its influence on solar system cometary activity. It has 21 citations

LEADERSHIP

ACM Student Chapter (VIT-AP)

Aug 2023 – Jun 2024

Creative Designer

Amaravati, India

- Created promotional materials and digital content, enhancing event visibility and student engagement for technical workshops and competitions.

ACHIEVEMENTS & CERTIFICATIONS

First Runner-Up – HackVerse Hackathon among 500+ participants, VIT-AP.

Top 500 Graduate – EricssonEdge Academia Program (selected from 17,000+ participants).

Oracle Cloud Infrastructure 2025 Generative AI Certified Professional.

MongoDB Certified Associate Database Administrator.

Google Cloud Skills Boost: Generative AI, Gemini for Cloud, AI for Developers.

Artificial Intelligence using Google TensorFlow – SmartInternz Certified.