

Shaun Rufus Kalurie

Machine Learning Engineer | Fresh Graduate

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Portfolio:

Conservative

Interactive

Location: Hyderabad, Telangana, India

PROFESSIONAL SUMMARY

Recent Computer Science Engineering graduate with proven expertise in Machine Learning and Data Science. Achieved **90% accuracy in flood prediction models** and **95% improvement over traditional forecasting methods**. Successfully streamlined operations for **business-oriented startups and SMEs** with **40% processing time reduction**. Specialized in deep learning, LLMs, Generative AI, and cloud technologies with strong Python and ML frameworks proficiency.

TECHNICAL SKILLS

Programming: Python, Java, C/C++, R

Machine Learning: Scikit-learn, TensorFlow, PyTorch, Keras, Deep Learning, Neural Networks

AI/LLM Technologies: Generative AI, Large Language Models, Fine-tuning, Transfer Learning, Prompt Engineering

Cloud Platforms: AWS (EC2, S3, Lambda), IAM Management, Cloud Architecture

Data Science: Pandas, NumPy, Matplotlib, Seaborn, Data Visualization, Statistical Analysis

Tools & Frameworks: Jupyter Notebook, Git, PyCharm, VS Code, GridSearchCV, MLOps

Specializations: Computer Vision, Natural Language Processing, Business Analysis

WORK EXPERIENCE

Machine Learning Engineer Intern | Feynn Labs

Remote | 2024

- Developed and deployed machine learning algorithms that **streamlined operations for business-oriented startups and SMEs**
- Achieved **40% reduction in processing time** across various business functions through algorithm optimization
- Collaborated with cross-functional teams to ideate and prototype innovative product solutions
- Led development of **3 new features that increased customer engagement by 60%** within the first quarter

Data Science Intern | Web Neural Infotech

Hyderabad, Telangana | 2024

- Engineered comprehensive data cleaning and visualization dashboards improving real-time decision-making capabilities
- Delivered **25% increase in project turnaround speed** across various sectors through optimized data workflows
- Implemented prompt engineering techniques yielding **15% enhancement in predictive accuracy** of business insights
- Reduced data retrieval times by 50%** through advanced data optimization and caching strategies

PROJECT EXPERIENCE

Flood Forecasting using Machine Learning Algorithm

Project Engineer | Jan 2024 - Present

- Engineered features and preprocessed Kerala flood dataset using Python, pandas, and NumPy
- Achieved 90% accuracy rate in forecasting flood occurrences** using historical data analysis
- Implemented GridSearchCV for hyperparameter optimization achieving **20% reduction in prediction errors**
- Demonstrated 95% improvement in prediction accuracy** compared to traditional forecasting methods

Air Quality Forecasting using Machine Learning

Project Engineer | Nov 2023 - Present

- Fine-tuned pre-trained deep learning models using transfer learning techniques for air quality prediction
- Achieved 95% classification accuracy** with optimized deep learning architectures
- Implemented multiple ML algorithms (Logistic Regression, SVM, KNN, MLP) with **perfect F1-score of 100**
- Attained **85-100% precision scores** across all implemented machine learning algorithms

Python Project for Data Science

Project Engineer | 2023

- Demonstrated comprehensive Python skills for data analysis and dashboard creation
- Performed end-to-end data science workflow including data extraction, web scraping, and visualization
- Created interactive dashboards for pattern and trend identification in real-world datasets
- Utilized Python libraries including Pandas and Beautiful Soup within Jupyter Notebook environment

EDUCATION

Bachelor of Technology in Computer Science and Engineering

St. Martin's Engineering College | Hyderabad, Telangana | June 2024

Specialized coursework in Machine Learning, Data Structures, Algorithms, and Software Engineering

PROFESSIONAL CERTIFICATIONS

- IBM Certified: Python for Data Science and AI (2024)
- Google Certified: Foundations of Data Science (2024)
- DeepLearning.AI: Generative AI using LLMs (2024)
- DeepLearning.AI: Fine Tuning LLMs (2024)
- AWS Certified: Cloud Technical Essentials (2024)
- Business Analyst Certification | Udemy (2024)
- Core Java Certification | Naresh IT (2024)

KEY ACHIEVEMENTS

- 90% accuracy rate in flood forecasting models
- 95% improvement over traditional methods
- Business-oriented startups and SMEs served with ML operations
- 40% reduction in processing time
- 60% increase in customer engagement
- Perfect F1-score (100) in air quality prediction

AWS CLOUD SKILLS

- Currently pursuing **AWS Certified Cloud Practitioner** certification
- Hands-on experience with **EC2, S3, and Lambda** services for scalable cloud computing
- Configured IAM users, groups, and roles for access management and security policies
- Understanding of cloud deployment models (Public, Private, Hybrid) and service models (IaaS, PaaS, SaaS)
- Knowledge of AWS global infrastructure including Regions and Availability Zones

ADDITIONAL INFORMATION

Languages: English (Fluent), Hindi (Fluent), Telugu (Native)

Interests: Artificial Intelligence Research, Machine Learning Innovation, Data Science Applications

Availability: Immediate | Open to relocation