Suraj Mallick

Cuttack, Odisha, India · mail4suraj2002@gmail.com · +91 8917454014 · linkedin.com/in/suraj-mallick-ez · github.com/yonlysuraj · My website(dev.Suraj)

Summary

Machine Learning and Full-Stack Developer with expertise in Python, AWS, and React. Experienced in building predictive models, cloud-based applications, and scalable systems to improve business outcomes. Enthusiastic about data-driven decision-making, optimization, and cloud computing.

Technologies

Programming Languages: C++, Python, SQL
Machine Learning: Scikit-learn, TensorFlow, Keras, Pandas, NumPy
Web Development: HTML, CSS, JavaScript, React, Node.js, Next.js
Cloud Technologies: AWS (EC2, S3, RDS, Auto Scaling, Load Balancer)
Tools: Git, GitHub, Docker, Firebase
Other Skills: Data Preprocessing, Model Optimization, Cross-validation, Feature Engineering

Experience

Associate Consultant (ML Developer & Cloud Engineer) Jan 2025 – Present
Invincix Pvt. Ltd, Bhubaneswar

- Developed and deployed machine learning models for business use-cases using Python and Scikit-learn.
- Designed scalable and secure AWS infrastructure using EC2, S3, RDS, and Load Balancers for internal application deployment.
- Automated CI/CD pipelines and containerized applications using GitHub Actions and Docker.
- Assisted in setting up internal dashboards and cloud-based solutions for data-driven decision-making.
- Optimized cloud costs by 10per through resource allocation and auto-scaling strategies.

Education

B.Tech in Computer Science and Technology May 2024
Silicon University, Bhubaneswar; CGPA: 7.93
12th CBSE May 2020
DAV Public School, CDA, Cuttack; Score: 72.6%
10th CBSE May 2018
DAV Public School, CDA, Cuttack; Score: 89.4%

Projects

Document AI with OCR and Groq LLM Inference Jan 2024 – Mar 2024

- Built an OCR-based pipeline using Tesseract and OpenCV for extracting data from scanned documents.
- Used Groq.ai-hosted LLMs for low-latency structured field labeling and summarization.
- Integrated LangChain for natural language querying of parsed content.
- Deployed pipeline on AWS EC2 to handle high-volume processing workloads.

Machine Learning using Python (Silicon University) Project Link

- Built logistic regression models to predict customer behavior, improving conversions by 18%.
- Achieved 73.3% accuracy and 76.4% precision after model tuning.
- Used cross-validation and ROC-AUC to evaluate model performance.
- Visualized insights with Matplotlib for stakeholder reports.

AWS-Masters (Ingenious-tech) Project Link

- Deployed full-stack application with EC2, Auto Scaling, RDS, S3, and Load Balancer.
- Migrated legacy databases to AWS RDS with SSL and MFA-enabled secure access.
- Validated cloud skills through AWS Master's Certification.
- Monitored resources via CloudWatch, enhancing system uptime by 5%.

Certifications

- AWS Master's Certification, Ingenious-tech 2023
- Python for Data Science and Machine Learning, Coursera 2022

Involvement and Achievements

Involvements:

- **Youth for Sustainability, Silicon Institute of Technology** Feb 2021 - Nov 2022
- Led community initiatives focused on sustainability and environmental education.

Achievements:

- 1st Position in CNC Campus Clutch 2023 - VALORANT
- 2nd Position at SOA National Sports Meet - VALORANT
- Hobby-Chess,Guitar,Music