Suraj Mallick

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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

Education

B.Tech in Computer Science and Technology — May 2024
Silicon University, Bhubaneshwar; 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

Machine Learning using Python (Silicon University) — Project-Link

- Developed logistic regression models to predict customer behavior, increasing marketing campaign effectiveness by 20% and conversion rates by 18%.
- Achieved an accuracy of 73.3% and precision of 76.4% by fine-tuning model hyperparameters.
- Utilized Python libraries (Pandas, Scikit-learn) for data preprocessing, feature engineering, and model validation (cross-validation, ROC-AUC).

AWS-Masters (Ingenious-tech) — Project-Link

- Configured web and database servers with AWS tools (EC2, Auto Scaling, RDS, S3, Load Balancer).
- Migrated an on-premise database to AWS RDS and implemented secure cloud architecture with SSL certificates and MFA.
- AWS Master's Certification validates expertise in cloud infrastructure and CI/CD pipelines.

Netflix GPT (Udemy) — June 2023 – July 2023

- Created a Netflix clone with GPT-powered search features using React, JavaScript, and Firebase for front-end and back-end integration.
- Focused on AI-driven content recommendations and user interface optimization.

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 (1800 ELO Rating)