

# SHREYANSH SACHAN

Mumbai, Maharashtra

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## PROFESSIONAL SUMMARY

Innovative and forward-thinking software engineer transforming complex challenges into scalable, production-grade solutions with measurable business impact.

## CORE COMPETENCIES

**Programming:** C, C++, Python, Java, SQL

**Software Engineering:** : OOP, STL, DSA, SOLID Principles, Unit Testing (pytest)

**Data Engineering:** : ETL, SQLAlchemy, Redis (basic), JSON & YAML configurations, Data Visualization

**Tools & Methodologies:** : Linux, Pandas, Tensorflow, Pytorch, JIRA, CI/CD, GitHub, AWS services, AI/ML, AgileScrum

**Soft Skills:** : Communication skills, Leadership skills, Statistics, Active listening, Debugging

## PROFESSIONAL EXPERIENCE

### L&T Technology Services Limited

December 2023 – Present

Engineer

Navi Mumbai, Maharashtra

- Engineered modular ETL plugins using Python and its libraries to automate log post-processing, optimized data ingestion into CDH, increasing data throughput by 80%.
- Architected and implemented object-oriented Python plugins following SOLID principles, developed and maintained pytest-based unit and integration test suites, achieving 98% code coverage and ensuring production-grade stability.
- Designed and deployed interactive, real-time dashboards on AWS QuickSight—integrating data from CDH, reporting time by 60%.
- Leveraged SQL and employed JSON and YAML configurations for dynamic pipeline flexibility and maintainability.

### F13 Technologies

September 2022 – November 2022

AWS Intern

New Delhi

- Assisted in deploying and managing cloud infrastructure using AWS services (EC2, S3, Lambda) to enhance scalability and streamline workflows.
- Gained hands-on exposure to IaaS, PaaS, and SaaS models, contributing to efficient project deployments.

## PROJECTS

### Face Landmark Detection | Python, Deep Learning, Neural Networks

- Developed a deep learning-based algorithm using Python and OpenCV that achieved **96% accuracy** in real-time facial landmark detection.
- Enabled precise emotion analysis and virtual facial animation through advanced neural network techniques.

### Diagnosis and Data Probability Decision Based on Non-Small Cell Lung Cancer | Python, ML, ResNet, DesNet

- Designed and implemented a machine learning model for non-small cell lung cancer diagnosis with **94.44% accuracy**.
- Supported data-driven clinical decision-making to improve diagnostic precision and patient outcomes.

## PUBLICATION

### Face Landmark Detection

Journal Name - International Journal of Emerging Technologies and Innovative Research(JETIR)

- Detailing the application of deep learning techniques such as ResNet and DenseNet for improved facial analysis under challenging conditions.

## EDUCATION

### SRM Institute of Science and Technology

July 2019 – July 2023

Bachelor of Computer Science with specialization in Information Technology - CGPA: 8.91

Chennai, Tamil Nadu

### Sir Padamphat Singhania Education Centre

2018

Class XII (CBSE) - 86%

Kanpur, UP

## AWARDS & ACHIEVEMENTS

### SPOT AWARD

1 March 2025

L&T Technology Services

"Shreyansh has consistently delivered the tasks assigned to him on time. His strong coding and troubleshooting skills have been instrumental in resolving issues efficiently. Additionally, Shreyansh's collaboration with the team and his ownership of tasks reflects his dedication and commitment to the project's deliverables. Keep up the great work!" - Immediate Superior)