

Sarvesh Nair

Assistant Systems Engineer, Tata Consultancy Services Ltd.

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PROFILE

Assistant Systems Engineer with hands-on experience across cloud infrastructure (AWS, Azure), application support and automation. B.Tech in Computer Science (2025), with a background spanning production patching and performance testing at TCS, cloud operations during an internship at TCiA Global, and independent projects in computer vision and machine learning.

EXPERIENCE

Assistant Systems Engineer

Current

Tata Consultancy Services Ltd.

- Patch and maintain enterprise applications to keep them current and secure
- Run performance tests to identify and resolve bottlenecks
- Debug production issues and provide ongoing application support
- Deliver minor feature development and enhancements
- Validate databases to maintain data integrity across systems

Cloud Computing Intern

TCiA Global, Navi Mumbai

- Gathered and analyzed client requirements for cloud infrastructure optimization across AWS and Azure
- Provisioned and monitored AWS EC2 instances; configured Azure VMs with backup failovers for business continuity
- Created SOPs, monitoring dashboards and periodic reports; configured AWS SNS alerts for faster incident response
- Designed and managed client websites, from initial build through ongoing content and layout updates
- Researched and proposed business expansion strategies

Machine Learning Intern

Prodigy Infotech, Mumbai

- Processed large datasets and identified KPIs to deliver data-driven insights
- Applied machine learning algorithms, including regression and random forest, to improve model accuracy

PROJECTS

- Gesture-Controlled Virtual Mouse** — Python, OpenCV — real-time hand-gesture tracking from a live camera feed for cursor control
- Predictive ML Models** — house-price estimation and vehicle-health prediction using regression and random forest
- NLP Model for Anxiety & Depression Detection**
- Smart Yoga Mat** — Smart India Hackathon — AI-integrated posture-detection Android app
- Insomnia-Assist AI Concept** — Techgium (L&T Hackathon)
- Client Website** — designed and delivered end to end, from requirements through deployment
- Home Network Configuration** — router setup enabling shared network storage

EDUCATION

B.Tech, Computer Science

Pillai College of Engineering, New Panvel — 2025 — CGPA 6.43

HSC — 69%

New Horizon Public School

SSC — 84.6%

New Horizon Public School

CERTIFICATIONS

- AWS Cloud Practitioner (CLF-02) — Udemy
- Machine Learning Internship — Certification
- Data Science Certification Course
- Programming with Python Course
- Virtual Cloud Computing

SKILLS

Python	SQL	AWS	Microsoft Azure	Cloud Computing	Machine Learning	DBMS	Data Analytics	Tableau	Power BI	MS Office	Website Builder
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Also comfortable with the fundamentals of computer networking and basic ethical-hacking concepts, picked up outside of formal coursework.

EXTRACURRICULAR

- Head of Committee, Theatre Club — The Rangmanch
- Letter of Appreciation for cultural activities — received three consecutive years
- Hackathon participation — Smart India Hackathon (SIH), Techgium (L&T)

LANGUAGES

English	Malayalam	Hindi	Marathi
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