

DEVESH SHUKLA

AI & MACHINE LEARNING ENGINEER

Mumbai / Raipur, India | +91 80851 27431 | deveshshukladurg@gmail.com
linkedin.com/in/deveshshukla36 | github.com/Deveshshukla36

PROFILE

M.Tech (Computer Science, AI) student at IIIT Naya Raipur and robotics programming intern, building machine learning, computer vision and agentic AI systems that run in production. Experienced across the full lifecycle: data pipelines, model training and tuning, API serving with FastAPI, containerised deployment and monitoring. Two-time GATE CSE qualifier (2025, 2026).

EXPERIENCE

Robotics Programming Intern — Janyu Tech Aug 2026 — Present
Mumbai, India

- Building MyFactory OS, a manufacturing execution system (MES) for shop-floor production tracking.
- YOLO-based detection of gunny bags and boulders at ~92% accuracy, from annotation through deployment.
- Designed PostgreSQL schema and REST APIs for work orders, machine states and production runs.
- Robotic-arm integration, PLC communication and system-level testing for automated rejection.

Teaching Assistant — IIIT Naya Raipur Aug 2026
Operating Systems course

- Bridged theory and practice for undergraduates on process management, memory allocation and file systems.

Software Engineering Virtual Experience — Quantum (via Forage) Feb 2025 — Apr 2025
Remote

- Built a data-driven Dash web app visualising the impact of pricing changes on sales and profitability.
- Python, Pandas and Plotly analysis with region-based filtering and a custom-styled interactive UI.
- Automated test suites with Pytest and Bash scripting across ingestion, deployment and testing cycles.

SELECTED PROJECTS

AI-Powered Intent Classification & Smart Ticket Routing Mar 2026
Fine-tuned BERT/RoBERTa models sorting support queries into intent categories with 94% test accuracy, served via validated FastAPI endpoints with a Streamlit monitoring and A/B testing dashboard.

Cloud Resource Monitoring & Predictive Scaling Feb 2026 — Present
LSTM time-series forecasting of VM workloads recommending scaling ahead of demand, cutting over-provisioning by 27%; automated AWS CloudWatch telemetry pipelines feeding optimisation dashboards.

Agentic AI Framework for Robotics Safety Nov 2025
Five-agent orchestration system running 500+ safety scenarios at 45ms response and 94.2% accuracy, with a 60fps Three.js simulation and a React console showing live reasoning traces (Llama 2, Docker).

SKILLS

Machine Learning	Predictive modelling, classification, regression, feature engineering, model tuning
Deep Learning & CV	CNNs, transformers, attention, YOLO detection, PyTorch, TensorFlow, scikit-learn
Languages	Python, Java, SQL, Bash
Engineering	FastAPI, Django, Flask, Docker, PostgreSQL, GitHub Actions, AWS, Oracle Cloud Infrastructure
Data	Pandas, NumPy, Plotly, Streamlit, time-series pipelines, dashboarding

EDUCATION

M.Tech, Computer Science (AI) — IIIT Naya Raipur 2025 — 2027
CGPA 7.68 / 10

B.Tech, Computer Science & Engineering (AI) — Shri Shankaracharya Technical Campus 2020 — 2024
CGPA 8.14 / 10

CERTIFICATIONS

Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate	Oracle University	Issued Jul 15, 2025 · valid to Jul 15, 2027
Fundamentals of Machine Learning and Artificial Intelligence	AWS Training & Certification	Completed Jul 13, 2025
Developing Generative Artificial Intelligence Solutions	AWS Training & Certification	Completed Jul 13, 2025