

TARUN A.

AI SYSTEMS ENGINEER

Production-focused AI automation, document intelligence, enterprise LLMs, and Oracle integration

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India

PROFILE

AI Systems Engineer and 2nd-year B.Tech CSE (AI & ML) student who independently designed and developed three separate AI projects for one client. I build complete systems across workflow discovery, AI pipelines, backend services, interfaces, Oracle integration, validation, deployment, and production debugging.

SELECTED PROJECTS

Accounts AI

DOCUMENT INTELLIGENCE

Python · Flask · OCR · Oracle · JavaScript

- Built a controlled voucher workflow spanning scanning, OCR extraction, structured review, approval, history, and Oracle-backed storage.
- Tested with 30+ scanned voucher files; development workflow estimates indicate 50-70% lower processing time per voucher with human review retained.

AJSMGPT

ENTERPRISE AI

Python · FastAPI · Oracle · Qdrant · LLMs · Evaluation

- Designed governed natural-language access to Oracle ERP data using deterministic query routes, read-only controls, evaluation, human approval, versioned publishing, and rollback.
- Developed the feedback-learning and regression workflow; 74 approved regression cases support controlled release of verified behavior.

Estimation AI

WORKFLOW AUTOMATION

Python · Flask · PDF processing · OCR · Oracle · JavaScript

- Automated identifier extraction, multi-document matching, duplicate validation, grouped review, and controlled Oracle insertion for estimation, mixing-sheet, and purchase-order PDFs.
- Built multi-page processing, history, replacement safeguards, deployment setup, and client-environment debugging.

CORE CAPABILITIES

AI & document systems

OCR · LLM applications · RAG · embeddings · structured extraction

Backend engineering

Python · FastAPI · Flask · REST APIs · validation pipelines

Enterprise data

Oracle · Qdrant · read-only query controls · document storage

Product & delivery

HTML · CSS · JavaScript · Linux · Docker · deployment debugging

EDUCATION & WORKING APPROACH

B.Tech Computer Science and Engineering - Artificial Intelligence & Machine Learning

2nd Year · India

Reliability before novelty · Human review for consequential outputs · Deterministic controls around AI · Integration with existing business infrastructure