

YUVRAJ CHANDRAKANT LIMBOLE

Data & AI Platform Architect (6.5 years Experience)

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Full-stack ai augmented (Claude + Cursor + Codex) engineer (6.5 yrs) operating at architect level across data, AI/ML, and cloud. Designs and builds Data & AI platforms end-to-end — from ETL/ELT and MLOps pipelines to GenAI systems — on Azure and AWS. Recently drove a Solution Architecture redesign and an enterprise tenant-to-tenant Azure migration, producing formal architecture artifacts (ADRs, NFR matrices, cutover/DR plans) while remaining hands-on in code. **Azure Solution Architect Expert.** Comfortable translating business goals into technical decisions directly with Organizations stakeholders, and mentoring engineers through design and delivery.

CORE TECHNICAL SKILLS - [LinkedIn](#), [GitHub](#) & [GitLab](#)

- **Languages & Frameworks:** Python (Django + FastAPI, PySpark), SQL, React / NextJS / Astro JS.
- **Cloud & Infra:** Azure (Solution Architect Expert), AWS, Terraform/IaC, Docker, Kubernetes, CI/CD
- **Data Engineering:** Azure Databricks, Spark, ETL/ELT, Lakehouse, ADLS Gen2 (HNS), Delta, SAS tokens
- **MLOps & AI:** Model training/serving pipelines, feature/model lifecycle, MLOps on Azure, GenAI/LLM apps, RAG, computer vision (OpenCV, Detectron2, YOLO)
- **Reliability & Ops:** Celery, dead-letter queues, idempotency, observability (New Relic APM, UptimeRobot, distributed tracing, NRQL)
- **Architecture:** System design, ADRs, NFR modeling, RTO/RPO & DR, migration/cutover strategy, multi-tenancy, cost modeling, trade-off analysis

CERTIFICATIONS -

- [Microsoft Certified: Azure Solution Architect Expert](#) — **AZ-305**
- [Microsoft Certified: Azure MLOps Engineer](#) — **AI-300**
- [Microsoft Certified: Azure Databricks Data Engineer Associate](#) — **DP-750**

WORK EXPERIENCE

Software Engineer (Python) — Solution Architect responsibilities @Sigma Solve[Jan 2026] – Present
Full-stack, DevOps, MLOps & GenAI engineering; architect-level design ownership

- Led the architecture redesign of the **NutriPATH Practitioner Portal**, producing formal SA artifacts — ADRs, NFR matrix, decision matrices, and a target technology-stack specification.
- Identified and closed critical design gaps in the existing solution: absent migration/cutover strategy, undefined RTO/RPO, unmodeled multi-tenancy cost, and observability blind spots.
- Acted as migration consultant on **the Client Complex Claims Recovery full-Azure environment (Tenant to Tenant) migration**, owning the discovery/inventory phase and phased migration plan.
- Delivered an enterprise Azure tenant-to-tenant migration (1 month) covering identity, storage, and workload cutover with minimal disruption, including Azure DevOps pipelines.
- Built and operated MLOps and GenAI pipelines; engineered ETL/ELT on Databricks/Spark with reliability patterns (Celery, dead-letter queues, idempotency) and New Relic observability.
- Partnered directly with DM, VP, and CEO to translate business goals into architecture decisions using a business-goal → constraint → trade-off → decision reasoning framework.
- **Impact:** reduced pipeline cost by 45%, cut deployment time from 5 days to 2 days, migrated 46 workloads with zero downtime.

Selected Projects :

SigmaSmartOps — Intelligent UptimeRobot + New Relic + Asana webhooks. Ai powered Incident reports, predictions, and analytical insights from UptimeRobot & New Relic incidents. Achieved 99.95% accuracy of incident predictions with early issue resolutions.

Email Ai Agent — Gmail + Outlook email agent. Multi-tenant email accounts ai agent to draft Lead & Partial Lead emails only.

CCR Azure Infrastructure Migration — Migration Consultant. Structured a phased vendor-exit migration of a full Azure environment; led discovery/inventory and produced the migration and cutover plan.

NutriPATH Practitioner Portal Redesign — Solution Architecture. Reverse-engineered and re-justified the design via a business-goal-to-decision golden thread; authored ADRs, NFR matrix, and target stack; defined the previously-missing migration, DR (RTO/RPO), and multi-tenancy cost strategy.

Python / Full-Stack Engineer

@AiGenomics India Pvt Ltd, Pune March 2025 – Sept 2025

DNA/Genome startup — MLOps & Python (PDF Generation Pipelines) engineering role

- Owned end-to-end delivery of Welleys - Color Analysis Computer Vision Project, PDF Reports Generation pipelines across backend (Python) and frontend (HTML & CSS3), from design through production.
 - Set up AWS native workloads for faster, safer releases.
 - Impact:** Led the using Python libraries like **WeasyPrint, wkhtmltopdf etc from HTML to PDF**. As per input JSON_DATA Achieved 10 pages pdf generation within 2 sec with all possible Python optimisation, CSS & Fonts optimisation. Speed & Performance improved by 80%. Led the Color Analysis Computer vision project. Using Detectron2 instance segmentation to detect respective classes as per trained model from custom dataset.
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Senior Django Developer

@Dataviv Technologies (Remote) Apr. 2022 - Jan 2025

Health Domain & Data Driven Projects.

- Built ML/data pipelines and full-stack features for **Kaya Project (Skin Analysis A.I. App)**, **Crime App (A.I. powered Crime Analysis web app for Haryana Govt.)** and **The Venya (Multi Vendor Resort Booking Management System)** etc. ; contributed to platform reliability and scaling.
 - Impact:** Lead the team for **Patient's Skin Analysis by A.I./M.L. pipelines** with recommending Kaya Products, Patients nearby Kaya Clinic appointment Management System, and for **Crime App project – Data Pipeline (ETL) & Designed DB schema as per project requirement, Created APIs for frontend. From these 3 (three) projects I learned to solve system designs, Architectural tech stacks decisions and complex query problems with optimisations techniques.**
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Junior Python Developer,

@NeuroSofttech, Pune Jan 2020 - Apr. 2022

- Mostly worked as Python Full-Stack Developer** on projects like E-commerce, Courier tracking web apps, & Django template based SEO optimised websites. Then afterwards started working on REST APIs, Docker, AWS etc as per clients need.
 - Managed project timelines, reduced deliverables efficiencies by 40%. Spearheaded the adoption of cutting-edge engineering softwares, improving project accuracy by 35%. Collaborated with cross-functional teams, enhancing project success rates by 30%.
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Freelancing (Web Dev., DM, PPC), Pune

March 2017 - Dec 2019

- As I'm Aug 2011 pass out, **since 2012 to 2017, I spent time on the Government Jobs** Civil service exam but not achieved a desired job.
- So **Started Freelancing agency** to provide customised marketing strategies like **WordPress Website + SEO + Paid Ads management on Social Media** etc. Also delivered High Rate of Returns using Google and FB Ads.

- **Started working on Python projects like Tkinter Desktop Apps, Django Full stack, REST APIs etc.** Python Django NextJS Projects - Falcon Courier Services Pune (Delivery Package Tracking System), Saffron Beauty Salon Pune, Gau Srushti Pune (A2 milk and Desi ghee online store).
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EDUCATION

Bachelor of Engineering in Electronics & Telecommunications (Jul 2007 - Aug 2011)

D. Y. Patil College of Engineering, Akurdi, Pune. Specialised in Embedded Systems Assembly Language (Embedded C). Worked on Core Electronic Projects like 8051 microcontroller.

KEY ACHIEVEMENTS

Dummy Electronic Voting Machine aka E.V.M. – (1) Python IoT Raspberry Pi & (2) ESP32 Based EVM.

1. **It's a Freelance Project.** In 2023 Indian Political parties approached me **to design and develop an Electronic Voting Machine for Educational purposes.** So I designed a Tkinter (Python based) GUI App with a custom circuit board and full cut thermal printer.
 2. **The objective** was to show how One Time Programmable EVM machines can manipulate votes (Electronic votes as well as Paper Votes) using Technologies like Real Time Clock (RTC), Black Glass and Light Sensor, Printer's motor Roller etc.
 3. **Tech stacks** - ESP32 based One and Another one is using Raspberry Pi 4B 1GB-RAM, Relay, LED Strip, thermal Printer, and Python script using Tkinter GUI App with Numeric Keypad.
 4. **Project Timeline** - 2 months (Feb to March 2024) - Developed and Delivered successfully. Demo machines as of now working perfectly without any issues.
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ACTIVITIES AND INTERESTS

Passionate To Learn New Technologies and R&D – I am very passionate about **learning New Technologies** especially in A.I. like agents - tools, IoT hardwares, with System Designs, Data Pipelines etc to solve any complex problems. Also, if possible I'll mentor team members for tactical solutions with R&D strategies.

Trekking and Traveling – I'm nature loving person, I would like to go in jungles or hilly areas. I love to wander alone in the hilly / forest areas in the Rainy season with the capacity to live alone for months.

Political Analyst – **Since 2014, I was an UPSC Civil Services Aspirant**, hence Laws, Governance & Politics which motivates me to Analyse, think critically with Geopolitical events, Socio-Economic & Political-Administrative issues, then think for solutions to furnish facts, data with the Solutions on my Facebook, Instagram, X social media accounts, very actively.

PERSONAL DETAILS

- **Date of Birth** : 10th March 1989
 - **Gender** : Male
 - **Relationship Status** : Married
 - **Dependants** : 12 year old Daughter and Twin Boys
 - **Spouse** : Shweta Devkar-Limbole (B.Sc. B.Ed.) - Teacher
 - **Languages Speak** : English (Conversational), Hindi (Fluent), Marathi (Native)
 - **Citizenship** : Indian
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I solemnly declare that all the details given above are accurate, and I bear the responsibility for any variation from them in the future.

Place : Pune

Sincerely,

Date : - - 2026

Yuvraj Chandrakant Limbole