

ADITYA JINDAL

Bangalore, IN · +91 8529754162 · jaditya8889@gmail.com ·  ·  · 

PROFILE

Full Stack AI Engineer with 3+ years of experience building production-grade distributed systems, agentic AI and ML systems. Experienced in fast-paced, high ownership environments; have owned end-to-end product across backend, infra, and AI platform.

TECHNICAL SKILLS

Languages: Python, C++, Rust, TypeScript
Frameworks: FastAPI, Django, Tokio, React, Next.js
Data & Streaming: PostgreSQL, ClickHouse, Apache Doris, Redis, MongoDB, Neo4j, Kafka
Infra & DevOps: AWS (EC2, Bedrock), GCP, Docker, Kubernetes
AI / LLM: LangGraph, Strands, Langfuse, PyTorch, TensorRT, Triton
Observability: OpenTelemetry, Prometheus, Grafana, OpenSearch

EXPERIENCE

Simbian.ai | **Software Developer — Backend, Infra & Platform** · Bangalore, IN · Sep 2025 – Present

- Building agentic harness with sandbox execution, hook system for budgets, audit, approval gates, context management), reactive event system, and feedback based skill evolution.
- Instrumented agent platform with Langfuse, exporting to ClickHouse; built dashboards for internal tracking of cost, tokens, etc.
- Implemented enterprise Auth: email OTP login, SSO and real-time i18n middleware for translating requests using AWS Translate.
- Cut prod Postgres CPU by 30% and latency 20x by fixing index; resolved connection pool exhaustion migrating to PgBouncer.
- Designed customisable RBAC system with hierarchical resource inheritance, and AuditLogs with sensitive-data redaction.
- Built a vendor-agnostic alert streaming service with dedicated clients across 20+ security vendors normalising ingested events to OCSF, STIX objects and implementing STIX connectors for cross-platform threat hunting.
- Built bi-directional services for Jira and Teams to automate investigation lifecycles - maintaining auditable cases using JIRA tickets and comments, tracking and sending case reminders and escalations, triggering actions and gathering context from users involved.

Wells Fargo | **Software Developer — Backend GenAI & Automation** · Bangalore, IN · Jul 2023 – Oct 2025

- Built a full-stack GenAI platform for document processing (classification, extraction, translation) supporting 100+ businesses.
- Built a RAG automation for transaction stop-payment dispute processing improving accuracy and reducing resolution time.
- Built 5+ enterprise-grade RPA solutions using UiPath, Python, and .NET that reduced manual effort and saved \$1M+ in operational cost. Recognised with Spotlight Award in 2024 and 2025.
- Led development of Records Retention Bot processing 3M+ files across 100+ Shared Drives and SharePoint sites, automating retrieval, archiving, and deletion via SharePoint APIs and Documentum.

Maya Labs (YC S22) | **Software Engineer — ML & Platform** · Remote · Jun 2022 – Oct 2022

- Built the wake-sleep augmentation generator for Flatland, used to learn progressively richer 2D drawing programs.
- Built connectors for Notion, Google Sheets, Gmail used in the model generated workflows and integrated Hugging Face models.

Solvio.AI | **Software Developer Intern — AI/ML** · Bangalore, IN · Sep 2020 – Jul 2021

- Developed MathOCR & GeometryOCR for converting printed/handwritten math images to LaTeX; built 10M+ image dataset using NumPy, Matplotlib, and OpenCV with augmentation pipelines.
- Used TensorRT for model optimisation, Triton Server for high-throughput deployment (5000 req/min on 1x NVIDIA T4), and Prometheus + Grafana for metrics and alerting.
- Leveraged GCP & AWS for cloud storage, model training, deployment, and inference at scale.

UVx Technologies | **Software Developer Intern — Embedded AI** · Bangalore, IN · Jun 2020 – Aug 2020

- Developed and deployed a real-time mask, temperature, and face recognition system on Raspberry Pi & Jetson Nano; generated 100K+ image dataset from augmented scraped images.
 - Converted model to TensorRT achieving 50 ms latency; used PyQt for UI, MySQL for data storage, and Grafana for logging.
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PROJECTS

GameTools · *Rust, Python, FastAPI, MongoDB, Redis, AWS, gRPC, TCP/UDP, WebSockets* · Dec 2021 – Present

- Reverse-engineered EA's wire protocol: decoded packet structures via analysis and pattern inference; implemented a high-performance client in Rust to parse packets and maintain low-latency, high-throughput communication with EA's servers.
- Reverse-engineered EA's HTTP APIs using a man-in-the-middle proxy and a custom DLL to disable SSL — capturing and analysing game traffic; exposed the full API surface publicly via FastAPI, MongoDB, and Redis on AWS, handling 1M+ monthly requests.
- Built a gRPC parser - inferred field types from raw binary frames and reconstructed schemas through packet analysis.
- Automated large-scale game bot deployment, provisioning and managing 100+ VMs via Hyper-V and PowerShell scripting.

Facial Expression Recognition · *Brain & Cognitive Society, IIT Kanpur* · *Python, ML* · Apr 2020 – Jul 2020

- Implemented ResNet & U-Net masking blocks inspired model in PyTorch with highest accuracy — 77% on FER2013 dataset.
- Optimised model using TensorRT for low latency, real-time video emotion detection; used LFFD & OpenCV for face detection.

Comparing DNN with Human Representations · *Brain & Cognitive Society, IIT Kanpur* · *ML* · Apr 2020 – Jul 2020

- Extracted image features using pre-trained CNN models (VGG16, ResNet) to compare similarity predicted by deep learning models with human representation. Won Best Research Award from SnT Council, IIT Kanpur.
- Designed behavioural experiment in HTML, CSS, and JS to study human similarity judgment between images of different animals.

EDUCATION

Indian Institute of Technology, Kanpur - B.Tech · *GPA: 7.74* · Jul 2019 – Jul 2023

AWARDS & RECOGNITION

- Spotlight Award — Wells Fargo (2024 & 2025)
- Best Research Award — SnT Council, IIT Kanpur
- JEE Advanced 2019: 99.8 percentile among 160K candidates
- JEE Mains 2019: AIR 99.63 percentile among 1.2M candidates