

DHADI SAI PRANEETH REDDY

✉ dspraneeth07@gmail.com ☎ +91 7416466619 📍 Hyderabad, India 🌐 dspraneeth07 📺 dspraneeth07

Professional Experience

AI Engineer (Full-Time), Techmatic Systems

07/2026 – Present
Hyderabad, India

Joined as a full-time engineer during final year of B.E., on an accelerated hire track.

- Founding AI Engineer driving R&D for Botella AI Labs, a new AI research startup incubated by Techmatic Systems — architecting domain-specific and neuro-symbolic LLMs trained from scratch, with active research charters in Cybersecurity AI and Agentic AI Safety.
- Architected FlowOS — a full-stack Agentic AI platform with a custom multi-agent orchestration engine, tool-calling framework, and autonomous workflow execution pipeline; validated across 400 test cases at 100% pass rate.
- Engineered AirDrive — a fully offline, privacy-first AI system running a local LLM inference stack and RAG pipeline entirely from encrypted portable hardware, with zero cloud dependency.
- Designed a synthetic data-generation pipeline from scratch, producing a 1M-record, 224-attribute dataset engineered for domain-specific LLM training.
- Founding core team member; authoring a Cybersecurity AI research paper (Methodology, Related Work).

Co-Founder & AI Researcher, Atlas AI Labs (Student-led Startup)

01/2026 – Present
Hyderabad, India

- Built T-RACE ONE — India's first sovereign OSINT identity platform, correlating 2,003+ platforms in under 60 seconds, DPDP Act compliant.
- Engineered GCT-100K, a 100K-sample threat benchmark achieving 84.8% accuracy on phishing/OTP fraud detection.
- Developed NeuroGenesis, a self-optimizing ML compiler reducing execution cost 0.28 vs. a 0.00 LLVM baseline, outperforming MLGO and AutoPhase.

Full Stack AI Developer Intern (Internship), Telangana Integrated Command Control Centre (TGiCCC), Telangana Police

04/2026 – 07/2026
Hyderabad, Telangana

Architected the TGiCCC Operational Portal and Dial 112 Emergency Platform with ML-driven routing across 500+ field officers, reducing emergency response contact time 35% and API latency 40%.

AI Engineer Intern (Internship), Elite Action Group for Drug Law Enforcement (Eagle Force) - Telangana Police

06/2025 – 03/2026
Hyderabad, India

- Solo-architected eagleforce.tspolice.gov.in — India's first AI-integrated law enforcement platform, 26 production modules; launched by DGP Telangana.
- Trained EagleAI, a 3.1B-parameter transformer LLM built from scratch (custom architecture, tokenizer, pretraining pipeline) on law enforcement data.
- Engineered 3 multilingual AI systems (SAHAY.AI, SHIELD.AI, MITRA-TG), boosting reporting 60%, cutting resolution time 40%; contributed to 8 major case closures — recognized by CM of Telangana.

Co-Founder & CTO, QwikZen Group India (Student-led Startup)

11/2023 – 12/2025
Hyderabad, India

- Scaled QwiXGenie (LLM-powered coding tutor) to 600,000+ enrolled learners across Tier-2/3 cities; featured as Chapter 26 in Impact India AI Summit 2026 AI in Education Casebook.
- Engineered QwiXlate AI, an end-to-end multilingual platform integrating proprietary LLM-powered Speech-to-Text, Text-to-Speech, real-time translation, grammar refinement, and voice interaction, enabling low-latency communication across 100+ languages with a privacy-first zerostorage inference architecture.
- Contributed to the development of ATMA-SLM (Autonomous Trans-Material MetaArchitecture SLM), a deterministic Rust-based neuro-symbolic inference engine achieving 1.13M Signal QPS, 800ns p50 latency, 7.4M O(1) graph query throughput, and 94.2% crash-safe recovery through ontology validation, deterministic graph reasoning, and high-performance serialization pipelines.
- Led a 25-member cross-functional team shipping 5+ AI products (QwiXGenie, QwiX CV, QwiX Shield) with 92% resume improvement rate on QwiX CV.
- Secured Best Startup Award 2025 — CSI Hyderabad Chapter for technological innovation and product impact.

Education

Bachelor Of Engineering (B.E. - Computer Science & Engineering), Vasavi College of Engineering (Autonomous)

2023 – 2027
Hyderabad, India

Skills

- **AI/ML and LLM Engineering** — Large Language Models (LLM), LLM Pretraining, LLM Fine-Tuning, Transformer Architecture, Agentic AI, Multi-Agent Systems, Reinforcement Learning, Deep Learning, NLP, Computer Vision, PyTorch, TensorFlow, MLOps, Hugging Face Transformers, Retrieval-Augmented Generation (RAG), Inference Optimization, Custom Tokenizer Design, Voice Agent & Dialogue System Architecture, Speech-to-Text (STT), Text-to-Speech (TTS), Real-Time Translation,
- **Full-Stack Development** — Python, JavaScript, TypeScript, Java, C++, SQL, Node.js, Express.js, React.js, Next.js, Nest.js, REST APIs, GraphQL, WebSockets, JWT, OAuth, Tailwind CSS, MVC, MVVM, Dynamic Routing, Code Splitting, Accessibility (WCAG), Micro Services & Distribution Architecture.
- **Cloud, DevOps & Infrastructure** — AWS, Google Cloud Platform, Azure (App Services, Functions, Cognitive Services), Azure OpenAI, Azure DevOps, Azure Pipelines, Oracle Cloud Infrastructure, Vercel, Docker, Kubernetes, CI/CD Pipelines, GitHub Actions, Nginx, Linux/Unix, TCP/IP, Routing & Switching (CCNA), Low-Latency Architecture, Asynchronous Queue Management
- **Tools & Platforms** — PostgreSQL, MySQL, MongoDB, Firebase, Pinecone, Milvus, Weaviate, Qdrant, Chroma, FAISS, Git, GitHub, Prometheus, Grafana, Postman, Jupyter, Weights & Biases

Certifications

OCI — Multicloud Architect Professional 2025 — Oracle, OCI — Generative AI Professional 2025 — Oracle, CCNA — Switching, Routing, and Wireless Essentials — Cisco, CCNA — Enterprise Networking, Security, and Automation — Cisco

Achievements

- National Finalist — HackIndia National Hackathon 2025 & Winner - GenAI National Hackathon 2025
- Patents Granted — AQI Prediction & Monitoring System (No: 202541046762) & AccentAssist (No: 202641039460)
- Published — Springer (Scopus Indexed), 2025 (2 peer-reviewed, 17 Preprint)
- Panelist — AI in Pharma Panel Discussion, Pharma India Magazine