Shiv Awasthi

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PROFESSIONAL SUMMARY

Full-Stack LLM Engineer, Cybersecurity Specialist & Founder with 2+ years building production AI systems, secure DevOps pipelines, and RAG/agent architectures across Azure/AWS. I lead and ship end-to-end — from backend/frontend and cloud infra to model orchestration, security guardrails, and deployment. As founder of QuickCareer.ai, I drive product vision, engineering, and user growth, proving the ability to turn ideas into shipped products and users fast. Blending startup execution speed with SOC/SIEM experience, I focus on secure, reliable AI systems that solve real problems.

EDUCATION

National Forensic Sciences University New Delhi, India
B.Tech - M.Tech (Integrated) Computer Science (Cyber Security); Nov 2021 - Dec 2025
GPA: 8.0
- Coursework: Machine Learning, Deep Learning, NLP, Data Structures & Algorithms, Digital Forensics

SKILLS

Programming: Python, JavaScript, TypeScript, React, Java, C++, Bash, SQL

Backend & Cloud: AWS, Azure, NestJS, NextJS, Flask, PostgreSQL, MongoDB, Redis, Kubernetes, Terraform

AI/ML & LLM: RAG, GraphRAG, LangChain, PyTorch, CrewAI, Mastra AI, AutoGen, Fine-tuning, LLMOps

Cybersecurity: Splunk, SIEM/SOC, MISP, Cortex, YARA, Wireshark, Nmap, Metasploit, Burp Suite, OWASP ZAP

Data & DevOps: Vector DBs (Qdrant, FAISS, Pinecone), Docker, Jenkins, CI/CD, Git, Linux, MLOps

EXPERIENCE

Founder — QuickCareer.ai Remote
AI Resume Tailor & Career Copilot Oct 2025 - Present
- Built and launched (quickcareer.ai) end-to-end product, code, infra, and growth
- Full-stack architecture using Next.js, NestJS, Azure, Supabase/Postgres, serverless compute and vector DBs
- Designed in-house AI workflows using OpenRouter LLMs + custom agent orchestration (Mastra-style)
- Implemented secure auth, encrypted data flow, monitoring (Sentry), billing (Stripe), and analytics
- Deployed CI/CD pipeline, staged releases, and user feedback loops
- Led product strategy, UX, marketing and SEO — acquired 100+ active users within days of launch without ads
- Managed all growth loops: onboarding funnels, user feedback systems, rapid iteration and shipping velocity

International Fund for Agricultural Development (IFAD) - United Nations Organization Rome, Italy

Aug 2025 - Present

AI and Data Engineer - Full Time Intern

- Architecting secure AI/ML pipelines on Azure for agricultural data analysis and decision support systems
- Implementing LLM fine-tuning and evaluation automation for multilingual agricultural datasets
- Building full-stack applications with AI capabilities and real-time analytics for international teams

M0-Metaverse Ventures Private Limited Hyderabad, India

Full Stack LLM Engineer Jan 2024 - Aug 2025

- Built production AI agents with RAG architectures improving query accuracy by 45% using vector databases
- Implemented GraphRAG and agentic workflows with Mastra AI for complex knowledge management systems
- Developed cloud-native backend services on Azure/AWS with security monitoring for scalable deployment
- Designed comprehensive guardrail frameworks ensuring safe AI outputs with automated validation pipelines

BesuperHuman AI London, UK

Product Manager & Generative AI Intern Mar 2024 - Jul 2024

- Orchestrated secure LLM fine-tuning pipelines improving model performance by 32%
- Developed autonomous agent systems using CrewAI framework with integrated security monitoring
- Implemented production automation solutions with real-time monitoring and automated fallback mechanisms

Bhumi iTech Pvt. Ltd. Delhi, India

Cyber Security Analyst Intern May 2023 - Jun 2023

- Implemented security playbooks and automated incident response using Splunk, MISP, and Cortex
- Enhanced threat visibility by 40% through custom dashboards and SIEM integrations
- Conducted vulnerability assessments using Nmap, Metasploit, and Burp Suite for client environments

KEY PROJECTS

AI-Powered Career Automation Ecosystem Project Link

- Architected a full-stack SaaS platform using **Next.js 14** and **Nest.js**, implementing a microservices architecture for high scalability and modularity.
- Integrated **Generative AI (LLMs)** to automate resume tailoring, cover letter generation, and real-time interview coaching.
- Engineered a **Chrome Extension** using **TypeScript** that injects AI features directly into LinkedIn and Indeed, enhancing user workflow efficiency by 70%.

Web3CLI - AI Smart Contract Generator GitHub Link

- Built multi-agent LLM system with RAG for secure smart contract generation and security auditing
- Created explainability features generating contract summaries with security risk assessments

ChaiChatAI - Multi-Agent Conversation Platform   [GitHub Link](#)
- Engineered RAG architecture improving context retrieval by 37% with evaluation metrics
- Developed orchestration framework for multi-LLM deployment with performance monitoring

Medical AI - Skin Lesion Classification   [GitHub Link](#)
- Achieved 93% accuracy with ResNet152, VGG19, DenseNet201 models on ISIC dataset
- Built secure Hugging Face demo with healthcare compliance features

LEADERSHIP & TEACHING

Google Developer Student Clubs (GDSC)   2023 - 2024
AI/ML Lead
- Led AI/ML initiatives and workshops for university developer community
- Organized technical sessions and mentored students in machine learning projects

EEVOLUTION TECHNOLOGY   Banglore, India
AI/ML Instructor   Feb 2024 - Jun 2024
- Designed and delivered comprehensive AI/ML curriculum for students and professionals
- Mentored students in implementing real-world machine learning solutions

Rancho IIT Delhi   New Delhi, India
Python & AI Instructor   Jun 2023 - Jul 2023
- Conducted intensive Python programming and AI fundamentals courses
- Achieved high student satisfaction scores through interactive teaching methods

HONORS & AWARDS

Toyota CTF 1st Rank (2024): First position in Toyota Connected Future Technology competition for automotive cybersecurity innovation

NASA Space Hackathon 4th Rank (2023): 4th place in NASA Space Apps Challenge for secure space exploration solutions

NFSU Forensic Hackathon Winner (2022): Won university hackathon for innovative cybersecurity and forensic technology solutions

CERTIFICATIONS

APIsec Certified Practitioner - Advanced API security testing and vulnerability assessment

McKinsey.org Forward Program - Strategic leadership and business transformation methodologies

Microsoft Certified: Azure AI Fundamentals - AI and ML implementation on Azure with security considerations

AWS Academy Graduate - Machine Learning - Comprehensive ML program with cloud security best practices

AWS Academy Graduate - Cloud Introduction Sem 1 & 2 - Cloud computing with security fundamentals

Oracle Cloud Infrastructure 2023 Certified Associate - Oracle cloud infrastructure and security management