

Prakriti Rawat

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EXPERIENCE

Rabbitt AI

Jan 2026 – Present

AI Researcher

Delhi

- Built an enterprise HR tech platform for a luxury hospitality franchise, automating recruitment workflows, onboarding processes, and employee tracking through scalable role-based dashboards and API-driven architecture
- Owned architecture and implementation of an internal HR SaaS platform to manage recruitment pipelines, onboarding workflows, and employee performance tracking
- Developed scalable backend services and role-based interfaces delivering centralized operational insights and analytics-driven monitoring
- Implemented automation-first workflows reducing manual coordination and enabling structured decision-making for executive stakeholders
- Worked closely with product and strategy teams to translate AI research into deployable business solutions
- Optimized backend systems and model-serving workflows, significantly reducing server load and improving inference efficiency
- Contributed to multiple AI initiatives including LLM integration, automation tooling, and performance optimization for production-scale deployments

Binary Keeda

Aug 2025 – Dec 2025

Full Stack Intern

Dehradun

- Contributed to backend development of an AI-powered coding assessment and evaluation platform
- Designed and implemented services for automated question generation, candidate evaluation, and structured result storage
- Developed rubric-based grading engine with JSON scoring, feedback generation, and integrity validation mechanism
- Integrated AI-based monitoring features including OpenCV eye-tracking and embedding-based plagiarism detection

IBM

Jun 2025 – Jul 2025

AI & ML Intern

Noida

- Developed a cloud-native Smart Irrigation system leveraging AWS IoT Core, Lambda, DynamoDB, and SNS.
- Simulated real-time MQTT-based sensor data and implemented automated alerting workflows using AWS services.
- Built a Streamlit-based monitoring interface and integrated Amazon QuickSight for advanced analytics and real-time visual reporting.

PROJECTS

AI News Intelligence Engine (LLM-based Content Automation Platform)

- Architected and built an AI-powered news intelligence system aggregating multi-source data and transforming raw information into structured insights and publish-ready content
- Developed automated ingestion and NLP pipelines for semantic analysis, summarization, topic classification, and relevance ranking to reduce information overload
- Designed and implemented a Journalist AI Agent using LLMs to generate high-quality LinkedIn posts and long-form blog articles aligned with editorial standards
- Applied advanced prompt engineering and structured workflows to improve coherence, tone consistency, and overall content quality
- Built a modular and scalable architecture enabling automated weekly briefings, rapid content synthesis, and dashboard-based insight delivery
- Leveraged modern AI tooling and automation practices to streamline end-to-end content intelligence workflows

RecruitDesk: LLM-based Interactive Interview System

- Built automated pipeline for resume/JD parsing, rubric generation, and competency-based question generation using LLM orchestration
- Implemented strict JSON-based grading with structured evaluation storage and auditability
- Designed modular architecture enabling scalable evaluation workflows and extensible AI pipelines

Cloud Cost Optimizer: FinOps Platform

- Built an AI-powered cloud cost optimization platform that integrates with AWS accounts to analyze real-time infrastructure metrics and generate automated cost-saving recommendations following FinOps principles.
- Implemented secure cross-account access using AWS STS AssumeRole and IAM policies, enabling real-time data retrieval from multiple AWS services via AWS SDK for JavaScript v3.
- Developed a cost optimization engine that analyzes workload usage patterns and recommends optimal compute purchasing models including On-Demand, Reserved/Savings Plans, and Spot Instances.
- Integrated Amazon CloudWatch monitoring and log analysis to track resource utilization and detect inefficiencies across cloud workloads.
- Built real-time monitoring dashboards and alerting systems using CloudWatch and SNS to proactively notify users of cost anomalies and performance issues.
- Designed a natural-language AI assistant capable of answering infrastructure and cost-related queries by leveraging real-time AWS resource data.
- Automated platform provisioning and FinOps configuration using Terraform, enabling scalable infrastructure management through Infrastructure as Code.

RESEARCH

DINOv3-based Brain Tumor Analysis

Under Review — IEEE

AI Researcher

- Developed domain-adaptive Vision Transformer (DINOv3 + LoRA) for joint classification and tumor segmentation
- Achieved 98% test accuracy with Dice = 0.87 and IoU = 0.78 through optimized training and evaluation pipelines
- Performed cross-dataset validation across BRISC-2025 and BraTS benchmarks to improve generalization
- Designed end-to-end pipeline including preprocessing, training optimization, automated mask QC, and inference workflows

EDUCATION

UPES Dehradun

Jul 2022 – Present

B.Tech Computer Science (CCVT), CGPA: 8.2/10

India

Green Way Modern School, Delhi, India

2022

Senior Secondary (Class XII)

India

SKILLS

Programming Languages: Python, Node.js, Next.js

Cloud Platforms: Amazon Web Services (AWS), Microsoft Azure

DevOps & Infrastructure: Docker, Kubernetes, Terraform, Ansible, Jenkins, GitHub Actions, Git, CI/CD Pipelines, Linux, Infrastructure as Code (IaC), Monitoring (Amazon CloudWatch)

Backend & Automation: FastAPI, REST APIs, API Integration, Automation Scripting

AI/ML & Generative AI: RAG Pipelines, LLM APIs, Embeddings, Vector Databases, AI Agents, Multimodal AI, LLM Evaluation, PyTorch, TensorFlow, Keras, OpenCV

Data & Tools: NumPy, pandas

CERTIFICATIONS & EXTRACURRICULAR

- AWS Training & Certification — Additional Courses (2025)
- AWS Academy Cloud Architecting — AWS Academy Graduate (2024)
- AWS Academy Cloud Security Foundation — AWS Academy Graduate (2024)
- AWS Certified Cloud Practitioner — Amazon Web Services (2023)

ACHIEVEMENTS

- Secured Bronze Medal at IBM's ICE Day for presenting *Meal Match*, a Personalized Meal Planning System