

Dhruv Kamalesh Kumar

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SUMMARY

Generative AI Engineer with 3+ years of experience building production-grade LLM systems, real-time voice agents, and RAG-based applications. Led deployments of high-impact tools (A-IEP, Voice Survey Agent, GenAI Sandbox) serving **40K+** users across public and private sectors. Skilled in OpenAI APIs, AWS Bedrock, LangChain, and multi-agent pipelines. MS in AI from Northeastern University. Seeking to drive innovation in scalable, safe, and user-centered GenAI products.

EXPERIENCE

The Burnes Center for Social Change, Boston, MA

Generative AI Engineer

Jul 2024 – Present

- Spearheaded the creation of **A-IEP**, an AI-powered platform helping **1,000+ non-English-speaking parents** access IEPs in 4+ languages.
- Orchestrated multi-agent pipelines using GPT-4.1 and AWS Lambda to translate, summarize, and restructure legal docs into family-friendly formats, cutting processing time by **87%**.
- Devised a **voice-based GenAI survey agent** to capture real-time qualitative feedback, increasing response rates by **25%**.

GenAI Product Development Co-op

Jan 2024 – Jun 2024

- Launched **GENIE**, a secure sandbox granting non-technical government staff access to GenAI tools—adopted by **44K+ users** across 8+ departments in Massachusetts.
- Architected a Smart Model Selector with AWS Lambda and API Gateway to dynamically route traffic, reducing latency and cutting infrastructure costs by **40%**.
- Standardized a reusable RAG pipeline using LangChain + CI/CD, boosting answer accuracy by **20%** and reducing hallucinations by **40%**.

Acharya Institutes, Bangalore, India

Software Engineer (Flutter)

Sep 2021 – Aug 2023

- Revamped a cross-platform ERP app in Flutter for **20K+ daily users**, enhancing performance and UX across Android/iOS.
- Elevated user ratings from **1.2 to 4.5** through intuitive design upgrades and personalized academic dashboards.

We Source Company, Remote, India

Machine Learning Intern

May 2021 – Sep 2022

- Engineered a computer vision model to flag post-delivery fraud; reached **87.34% accuracy** with **103ms latency** using CNN.
- Constructed two Flutter apps with Maps, OTP login, and Razorpay integrations to streamline delivery workflows.

EDUCATION

Northeastern University, Boston, MA

M.S. in Artificial Intelligence (*GPA: 3.83*)

Graduated: Dec 2024

Acharya Institute of Technology, Bangalore, India

B.E. in Computer Science

Jul 2022

SKILLS

Languages: Python, Dart, TypeScript, Java, C++, SQL

GenAI/ML: OpenAI, AWS Bedrock, LangChain, Agents, RAG, Prompt Engineering, FAISS, Vertex AI, PyTorch, TensorFlow

Cloud/Tools: AWS (Lambda, S3, Bedrock, DynamoDB, Cognito), Git, CI/CD, Streamlit, Flutter, Pinecone, GCP

PROJECTS & AWARDS

VCT Scout (AWS x Riot Games Hackathon)

Dec 2024

- Developed a GenAI-powered assistant to extract strategic insights from **1TB+ game logs**, supporting real-time decisions for Valorant esports coaches.
- Directed backend and AI pipelines using AWS Bedrock Agents and serverless infrastructure to ensure privacy-safe, contextual analytics.
- Secured **2nd place** among **3,300+ teams**; won Best Cross-Regional Team; awarded **\$8K cash + \$8K AWS credits**.