

HARSH GUPTA

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PROFESSIONAL SUMMARY

AI engineer and Duke M.Eng. candidate who ships LLM-powered products: agentic workflows, RAG pipelines, and GPT- powered features used by real customers. Comfortable across the full build, from prompt and retrieval design to React/Node front ends and AWS deployment. Targeting Summer 2026 AI/ML engineering internships.

SKILLS AND INTERESTS

AI/ML: LangChain, OpenAI and Claude APIs, PyTorch, RAG, agentic / multi-agent workflows, prompt engineering, Local Ollama

Languages & Frameworks: Python, JavaScript/TypeScript, React, Next.js, React Native, Node.js, SQL

Frameworks: React, React Native, Next.js, Node.js, Express, REST APIs, Event-Driven Architecture, Microservices

Cloud & Infrastructure: AWS (EC2, S3, RDS, Lambda), Docker, CI/CD, Vercel, Git, Linux/Shell Scripting

Certifications: AWS Academy Graduate, Duke Fuqua I&E Certificate, IBM Enterprise Design Thinking, Anthropic: AI Fluency

WORK EXPERIENCE

Crewscale

Software Development Engineer

Bangalore, India

July 2024 – June 2025

- Modernized legacy frontend components into reusable, microservice-aligned React modules for Beanbag.ai; drove BPR initiative that improved user efficiency **by 60% across LinkedIn workflows**.
- Built agentic AI services using LangChain, OpenAI APIs, and Puppeteer-based backend automations; **reduced manual endorsement time 85% while sustaining 99.9% uptime** through observability and reliability practices.
- Shipped customer-facing AI/ML features end-to-end with **GPT-4o mini**, integrating REST APIs, logging, and iterative code reviews across cross-functional engineering teams.

Intelliflow.ai

Software Developer

Bangalore, India

June 2023 – March 2024

- Designed and delivered cloud-native React.js, React Native, and Node.js applications containerized with Docker on AWS; cut **deploy time 60%** via CI/CD automation.
- Enhanced user experience** by implementing a comprehensive overhaul of the interface, including a redesign of a critical component, resulting in a remarkable increase in satisfaction rates by **82% to 95%**
- Led Workflow++ initiative; shipped eSignature and Workflow Builder modules with **API-first design** and well-tested code.

KredX

Web / Application Developer (Intern)

Bangalore, India

June 2022 – September 2022

- Built a React Buy-Now-Pay-Later calculator **serving 2,000+ daily users** (+45% stability); landing pages and email templates lifted engagement by 60%.

Capgemini

Cloud Engineer (Intern)

Bangalore, India

August 2021 – December 2021

- Supported AWS infrastructure (EC2, S3, RDS) and automated routine ops with shell scripting.

PROJECTS

AI Chief of Staff - Local Agentic Automation

n8n, Ollama (qwen2.5), LangChain-style orchestration

Durham, NC

January 2026 – Present

- Built a private, fully local AI assistant that triages calendar, email, and web-search inputs through a two-agent intake/normalizer design, running on a self-hosted Ollama model with no data leaving the machine.

AssistAI - AI Engagement Analytics

Chrome Extension, behavioral analytics, HCI research

Durham, NC

March 2026 – Present

- Shipped a Chrome extension that tracks how people engage across AI platforms, with a dashboard for session metrics, platform breakdown, and engagement scores; data feeds a co-authored HCI study on AI-assisted critical thinking.

Apply - Multi-Agent Job Application Pipeline

React, Vite, TypeScript, Anthropic API

Durham, NC

April 2026 – June 2026

- Designed a multi-agent pipeline that turns a job posting into a tailored resume, cover letter, and outreach plan, coordinating specialized LLM agents behind a typed React front end.

EDUCATION

Duke University

Master of Engineering Management, **GPA: 3.75/4.0**

Durham, NC

August 2025 – May 2027(Expected)

- Relevant Coursework:** Managing AI in Business, Design Thinking, Marketing, Product Management in High Tech Industries

SRM Institute of Science and Technology

Bachelor of Computer Science Engineering - Cloud Computing, **GPA: 3.74/4.0**

Chennai, India

May 2019 – May 2023

- Research:** Developed CNN-based model using Sentinel-2 satellite imagery to detect and monitor deforestation patterns in the North-Western Himalayas