HIMANSHU RAGHAV

Senior Software Developer

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Professional Summary

Senior full-stack developer with 5+ years of experience shipping production applications end-to-end — from database schema and REST APIs to responsive frontends — now applying Generative AI to national-scale public health programs. Production experience across React, Angular, Next.js, Node.js, Python, PostgreSQL, MongoDB, Docker and AWS.

Technical Skills

Frontend: JavaScript, TypeScript, React, Next.js, Angular, HTML5/CSS3, Responsive & Accessible UI

Backend: Node.js, Express, RESTful APIs, Python, Django, FastAPI, Flask, System Architecture, API Design, Data Structures & Algorithms, RabbitMQ, Kafka

Database: PostgreSQL, MongoDB, SQL, Drizzle ORM, Vector Databases (pgvector)

Cloud & DevOps: AWS (EC2, RDS), Docker, Kubernetes, Terraform, Vercel, CI/CD, Apache, Nginx, Linux

AI/ML: Generative AI (GenAI), LLM/LLMs, Agentic AI, RAG, Vector Databases, Prompt Engineering

Practices & Tools: Agile, Git, Subversion (SVN), Jira, Confluence, Jest, Mocha

Professional Experience

Gramener *Sep 2026 – Present*

Senior Software Developer *New Delhi, India*

- Working with the **National Health Authority (NHA)** on **Ayushman Bharat PM-JAY** and the **Ayushman Bharat Digital Mission (ABDM)**, building data and analytics solutions for India's national digital health ecosystem.
- Building **Generative AI** solutions — LLM-powered applications, RAG pipelines and agentic workflows — that turn large-scale health program data into actionable insights for policy and operations teams.
- Developing full-stack applications, APIs and interactive dashboards with Python, React and PostgreSQL.

Opalina Technologies *May 2023 – Aug 2026*

Software Engineer *Noida, India*

- Led full-stack development of **PushPolitics**, a Canadian civic engagement platform, owning system architecture, responsive React/Angular frontend components, Node.js REST APIs, and NationBuilder integration.
- Contributed to high-traffic national campaigns — **Pariksha Pe Charcha** and **Mann Ki Baat** — building scalable, event-driven workflows with real-time data handling and performance optimization.
- Developed and maintained full-stack features for the **Narendra Modi website and mobile application** (10M+ app downloads), delivering secure, responsive, multilingual experiences with dynamic CMS integration.
- Designed and built an **enterprise digital asset management platform** for audio, video and photo assets using Next.js, PostgreSQL and AWS (EC2/RDS), with AI-assisted metadata generation and a Docker-deployed, CDN-backed delivery pipeline.
- Delivered multiple CMS-powered microsites using reusable responsive components.

DXC Technology *Feb 2021 – May 2023*

Software Engineer *Noida, India*

- Delivered end-to-end software solutions with cross-functional teams, building responsive web interfaces, backend services, databases and reusable REST APIs focused on performance, reliability and maintainability.
- Tested, debugged and upgraded production systems, improving functionality, responsiveness and cross-device compatibility in Agile delivery environments using Jira and Confluence.

Selected Projects

GAN-Generated Fake Image Detection — *Deep Learning, Python*

- Built a frequency-spectrum and deep-learning approach for detecting GAN-generated images; experiments on ∼1,000 StyleGAN2-ADA images reported accuracy above 99%. Published in IEEE.

CCTV Camera Surveillance System — *OpenCV, Raspberry Pi, Python*

- Trained an ensemble-learning model with OpenCV and a Raspberry Pi camera for real-time surveillance.

Education

Amity University — B.Tech, Computer Science & Engineering 2017 – 2021 | CGPA: 7.57