

Sparsh Hurkat

Full Stack / Software Engineer

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🌐 sparshhurkat.vercel.app

EDUCATION

Carnegie Mellon University, Pittsburgh, PA
Master of Information Systems Management

Expected Dec 2026

Vellore Institute of Technology, Vellore, India

Bachelor of Technology in Electronics & Communication Engineering – GPA: 3.74/4

May 2022

Relevant Coursework: OOP in JAVA, Database Management, Organizational Design & Implementation, Generative AI Lab, Stats for IT Managers, Data Structures & Algorithms, Artificial Intelligence with Python, Advanced Java Programming.

SKILLS

Languages & Tools: Java, JavaScript, Python, SST, MySQL, HTML, CSS, Git, AWS

Libraries & Frameworks: React.js, Next.js, Node.js, LangChain, PyTorch

EXPERIENCE

Moneyview (Fintech), Bangalore, India
Software Development Engineer

Mar 2022 – Jul 2025

- Reduced user registration time by 5 minutes by streamlining backend services using SST.dev and TypeScript on AWS.
- Delivered faster page loads, improved SEO, and reduced CMS maintenance by migrating Moneyview's main website and CMS from a legacy tech stack to Next.js. Optimized backend performance with Node.js and MongoDB.
- Led the development and migration to an in-house VideoKYC portal, eliminating external vendor dependency and quadrupling customer verification capacity at minimal incremental cost.
- Enabled a 2x increase in agent capacity and accommodated a 20% rise in monthly call volume by engineering and managing a call management portal to streamline company-customer interactions.
- Launched a full-stack solution for partner vendors to manage customer transactions via the buy-now-pay-later option, a new product line that generated approximately \$1.5M in revenue within its first year
- Redesigned UI with a standardized design system and centralized component library, boosting mobile page performance score by 40%; upgraded React, implemented TypeScript, and optimized Fetch API calls.

Them Consulting, Mumbai, India
Experience Design Engineer (XDE) Intern

May 2021 – Jun 2021

- Enhanced UX and drove a 25% increase in user acquisition by prototyping a user-centered wedding planning platform.
- Optimized platform usability and workflows by creating wireframes and conducting usability tests in collaboration with cross-functional teams.

PROJECTS

Multi-Agent RAG Developer Assistant

Ongoing

- Creating a full stack multi-agent RAG system using Next.js, LangChain and a vector DB to aggregate GitHub PRs, documentation, and related resources, generating structured, context-rich summaries to streamline developer workflows

LLM-Powered Interactive Portfolio – github.com/sparsh-hurkat/spot

Jul 2024

- Built an LLM-powered chatbot using Next.js, LangChain RAG, and a vector database, dynamically aggregating my personal portfolio data as context for more relevant and interactive AI responses.
- Optimized AI query efficiency, reducing token usage by 65%, improving response speed and maintainability

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

U&I, Volunteer

2023

- Taught basics of mathematics and programming to a class of 7 students in an underprivileged school in Bangalore.

IEEE Electromagnetic Compatibility Society at VIT, Board Member

2021

- Established a new student chapter at VIT with a team of 10, attracting over 100 attendees to three webinars.