

# Harish B

[LinkedIn](#) | [Github](#) | [Leetcode](#)

## TECHNICAL SKILLS

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**Languages:** Python(Advanced), JavaScript, Java(Intermediate), TypeScript

**Frontend:** React.js, Next.js, HTML5, CSS3, TailwindCSS, Responsive Web Design

**Backend:** [Node.js](#), Express.js, Fast api, Flask, RESTful APIs, Microservices Architecture

**AI/ML & GenAI:** Prompt Engineering, Gemini API, learning: LangChain, RAG Pipelines

**Databases:** Mongo DB, Mysql, redis

**Tools & DevOps:** Git, GitHub, GitHub Copilot, Postman, Bruno, Vercel, Netlify, Render, Cloudflare, Docker, Jenkins, CI/CD, DevOps

**Other:** JWT Authentication, REST APIs, Figma, Agile, Bash, firebase

## PERSONAL STATEMENT

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Full-stack developer with expertise in MERN and AI-powered platforms. Creator of DataSpeaks, achieving 95%+ accuracy in natural language to query conversion across SQL & NoSQL databases. Proven track record of accelerating platform performance by 40%, enabling 200+ users, and solving 100+ LeetCode problems. Passionate about scalable backend design, AI integrations, and open-source contributions.

## PROJECTS

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### Collab-O | [Github Repo Link](#)

Built a full-stack freelance platform with AI-generated skill assessments, profile credibility, and proposal workflows to enable fair opportunities.

- **Tech Stack and Frameworks used:** MERN stack (MongoDB, Express.js, React, Node.js), Gemini API, JWT authentication, Tailwind CSS, GitHub, Render hosting.
- Reduced evaluation time by 70% with AI-generated quizzes, improving client trust and credibility.
- Optimized front-end and backend modules for 40% faster response times and smoother UX.
- Deployed secure, role-based JWT authentication ensuring reliable multi-user access.

### Personal Knowledge Agent | [Github Repo Link](#)

Designed and implemented an AI-powered knowledge management system integrating Python, LangChain, and vector databases (Pinecone/FAISS) for semantic search and retrieval.

- Developed a Next.js + TypeScript frontend with responsive chat interface, file upload, and history tracking, using Tailwind CSS and shadcn/ui for modern UI/UX.
- Engineered document ingestion pipeline (notes, PDFs, links) with embeddings, retrieval-augmented generation (RAG), and multi-step reasoning for accurate and context-aware responses.
- Applied AI, and full-stack development skills to build a scalable personal knowledge assistant agent.

### Data speaks | [Github repo link](#)

Engineered a platform to convert plain English prompts into database queries across SQL, MongoDB, and PDFs using RAG pipelines.

- **Tech Stack and Frameworks used:** React, Node.js, Express, Gemini 2.0 API, LangChain, MongoDB, MySQL.
- Automated query validation and encryption pipelines, ensuring enterprise-grade data security.

- Achieved 95%+ query accuracy, handled 80% of real-world use cases
- Integrated LangChain & RAG pipelines, enabling seamless multi-database compatibility.

## EDUCATION ENROLLMENT

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### Kalvium's UG program in CS (Software Product Engineering)

2024-2028

Specialization: Full-Stack Development , Database Management, Software Engineering

Campus: Coimbatore(Kalvium direct)| Bachelor's enrollment: BCA , University of Mysore

## ACHIEVEMENTS & EXTRACURRICULARS

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### Hackathons:

**Kalvium Labs Hackathon** – Built rubric-based evaluator; deployed live demo in <24 hours.

**Google Developer [Hackathon](#)** – Built AI prototype; won 50+ peer upvotes for innovation.

**Simulations:** [Deloitte](#) Technology Job Simulation (Jun 2025) – Completed real-world coding & consulting challenges.

**Problem-Solving:** Solved 100+ LeetCode problems (39 Easy, 59 Medium, 4 Hard); earned 50 Days Badge with 142+ submissions.

**Open Source:** Contributor at GSSoC 2025 and active maintainer in OpenLN, driving impact in community projects.

**Leadership:** KLAPS Club – Strengthened public speaking & leadership through active participation.