HITANSHU GALA

+91-9920807853 | galahitanshu@gmail.com | GitHub | LinkedIn | Portfolio

EDUCATION

Bachelor of Technology in Information Technology May 2027

SVKM's Dwarkadas J Sanghvi College of Engineering, Mumbai

Relevant Coursework: Data Structures, Algorithm Design, Operating Systems, Database Management, Computer Networks, Object-Oriented Programming, Software Engineering, Distributed Systems, Machine Learning, Petabyte-Scale Data Processing

TECHNICAL SKILLS

Programming Languages: Java, Python, C++, JavaScript, SQL, HTML, CSS
Frameworks & Technologies: React.js, Node.js, Express.js, Flask, REST APIs, Docker, Git, CI/CD, Agile Development
Distributed Systems & Scale: PostgreSQL, MySQL, MongoDB, Redis, AWS, Load Balancing, Microservices
AI/ML & Data Processing: TensorFlow, PyTorch, Scikit-Learn, NumPy, Pandas, Real-time Data Processing

PROJECTS

Stock Analyzer (Multi-Agentic Gen-AI) | Python, Crew-AI, Gemini, Alpha Vantage, React GitHub

- Rapidly developed a multi-agent stock analysis system with 6 AI agents, specializing in financial data collection, fundamental & technical analysis, sentiment evaluation, and price forecasting.
- Designed a responsive React-based web interface, integrating TradingView for real-time visualization of 50+ stock indicators.
- Enhanced decision-making efficiency by 30%, reduced analysis time by 50%, and achieved high accuracy in short-term stock price predictions.

HireAI Recruitment Platform | Flask, PostgreSQL, Vector Search Live Demo

- Developed an intelligent document processing pipeline to extract and analyze resumes from PDF, DOCX, and ZIP formats, achieving 90%+ accuracy in skills and experience extraction for automated candidate screening.
- Engineered an AI-powered candidate search system using Flask and PostgreSQL with pgvector, incorporating semantic search via Sentence Transformers and hybrid scoring for accurate candidate-job matching.
- Designed a production-grade backend with Docker containerization, featuring database migrations, connection pooling, and optimized vector search indexes for scalable high-performance retrieval.

Cron Job Scheduler Service | Node.js, Express, PostgreSQL GitHub

- Architected a distributed cron job scheduler with Node.js and Express, enabling reliable execution of recurring tasks with millisecond precision using node-cron.
- Engineered a robust PostgreSQL backend for persistent job storage, ensuring fault tolerance and data consistency across system restarts and failures.
- Implemented a RESTful API with comprehensive job management features, supporting multiple task types and real-time status tracking with proper error handling.

CO-CURRICULAR

Technical Co-Committee | DJS-S4DS (Society For Data Science) 2024-Present

- Contributed to a cross-functional team of 8 developers in building the DataHack 3.0 platform, which supported 1,300+ registrations and 40,000+ views, implementing scalable web architecture with load balancing to handle high-traffic events.
- Delivered complete software project from conception to production deployment, taking full ownership of technical decisions and ensuring successful delivery under tight deadlines.

ACHIEVEMENTS & IMPACT

100x Buildathon 2025, Bangalore - Finalist (Top 140 of 3,500 participants). Built end-to-end hiring platform with AI-driven recommendation engine and automated pipeline, demonstrating ability to solve complex problems without predefined solutions.

Case Study Competition 2025, IIT Bombay - 3rd Position. Demonstrated analytical thinking and innovative technical solutions for distributed systems challenges, reflecting ability to tackle unsolved problems.

Hackniche 3.0 2025 DJSCE, Mumbai - Finalist (top 40 of 3,500 participants). Built a hiring platform with an AI recommendation engine, outreach center, AI-powered interview system, and end-to-end interview pipeline.

Manipal Hackathon 2024 - Finalist (Top 28 of 400 teams). Developed cross-platform application with optimized backend services, showcasing quick learning abilities and self-directed problem-solving skills.

Algorithmic Problem Solving - Solved 300+ problems across coding platforms, demonstrating consistency, depth in computer science fundamentals, and strong problem-solving ability.