Garvit Nag

+91-9877926632 | garvit1505@gmail.com | www.linkedin.com/in/garvit-nag | www.garvitnag.in

EDUCATION

Chandigarh College Of Engineering & Technology Chandigarh, IN
Bachelor of Engineering in Computer Science & Engineering, CGPA: 7.79 *Dec. 2021 – June 2025*

ACHIEVEMENTS

Gen AI Exchange Hackathon by Google October 2024
Winner *Network 18 Track*
- Won first place in the Network 18 track at the Gen AI Exchange Hackathon organized by Google and Devfolio
- Developed an innovative solution to combat misinformation in video content by engineering a robust media attribution and tampering detection system
- *Project Link*

Smart India Hackathon September 2024
Internal Winner - AICTE Problem Statement *Problem Statement ID: 1728*
- Proposed an innovative paperless scholarship disbursement system for the Prime Minister's Special Scholarship Scheme (PMSSS), winning the internal round
- Collaborated effectively with team members to overcome technical challenges and optimize system performance
- *Project Link*

PROJECTS

MediSage | *Next.js, FastAPI, MongoDB, Stripe, Clerk* December 2024 - February 2025
- Developed a medical symptom analysis platform with tiered subscription model and secure authentication
- Implemented rate limiting system using Redis to manage API requests
- Designed interactive anatomical visualization for precise symptom mapping and analysis
- Created structured response formatting for medical analysis results
- *Link to project*

RecipeRover | *Next.js, TypeScript, Flask, Appwrite, MongoDB* September 2024 – November 2024
- Built a personalized recipe recommendation engine with content-based filtering algorithms
- Implemented multi-modal search functionality including text, form-based, and image-based queries
- Developed user authentication and search history tracking using Appwrite and MongoDB
- Created responsive layout adapting to mobile/desktop viewports
- *Link to project*

CosmicShare | *Next.js, FastAPI, Appwrite* August 2024 – September 2024
- Developed a secure file sharing platform with automatic expiration of links
- Implemented scheduled cleanup of expired files using Appwrite's storage service
- Engineered drag-and-drop upload with chunked file processing
- Designed responsive interface with intuitive UX for quick file sharing
- *Link to project*

TECHNICAL SKILLS

Languages: Python, JavaScript/TypeScript, SQL, C/C++
Frameworks & Libraries: Next.js, React, FastAPI, Flask, Tailwind CSS
Databases: MongoDB, Firebase, Appwrite
ML Tools: Pandas, NumPy, Matplotlib, Scikit-learn
Developer Tools: Git, VS Code, Linux/Unix

PUBLICATION(S)

Research Paper: AODV-PROPT: A Novel AODV-Based Routing Protocol Enhanced by Relational Parameter Indexing (ARPI) published in IJNRD

DOI: 10.1729/Journal.40670