

ARPITA M

Pre-Final Year CSE Student | Creative Tech Enthusiast | Passion for building scalable software solutions

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EDUCATION

2022-2026	GLOBAL ACADEMY OF TECHNOLOGY <i>B.E, Computer Science and Engineering</i> CGPA:9.626 <i>Present</i> <ul style="list-style-type: none">• Expected Graduation: July 2026• Relevant Coursework: Advanced Data Structures & Algorithms, Operating Systems, Distributed Systems, Database Management Systems, Computer Networks, Object-Oriented Programming, Machine Learning, Compiler Design.	Bengaluru, Karnataka
2020-2022	SHREE GURU INDEPENDENT PU COLLEGE <i>PUC</i> <i>PCMB</i> Grade: 87.17	Gulbarga, Karnataka
2019-2020	SARVAJNA HIGH SCHOOL <i>SSLC</i> Grade: 95.52%	Gulbarga, Karnataka

SKILLS SUMMARY

- **Programming Languages:** Java (Advanced, including Swings), Python (Advanced), C (Proficient), JavaScript (Proficient)
- **Web Technologies:** React.js, Node.js, Express.js, HTML5, CSS3, RESTful APIs, JSP, Servlets, Spring Boot
- **Cloud & Tools:** Docker, Git, GitHub, Vercel, Postman, VS Code, Linux
- **Databases:** MongoDB, SQL (PostgreSQL, MySQL)
- **Core Concepts:** Data Structures, Algorithms, Object-Oriented Programming (OOPs), System Design, Machine Learning, Problem Solving, Full Stack Web Development, Cybersecurity Fundamentals, Cloud Computing

PROJECTS

DocSec – Real-Time Threat Detection in Dockerized Environments

Node.js, React.js, Docker, Regex, RESTful APIs

- Engineered a CLI-free security monitoring system for Docker containers, reducing manual load by 60% and developed a React.js dashboard to visualize active threats and alerts, enhancing real-time visibility for analysts.
- Designed and implemented custom signature rules to detect container-based anomalies and unauthorized access attempts.

Scalable URL Shortener with Click Analytics

Flask, Redis, PostgreSQL, Docker

- Built a high-throughput URL shortening service with custom short-code generation and real-time click analytics, leveraging Redis for caching hot URLs to reduce database load and PostgreSQL for durable persistence.
- Implemented collision-resistant short-code generation and containerized the app for cloud deployment on GCP.

Distributed Real-Time Chat Application

Java, WebSocket, Multithreading, MySQL

- Constructed a real-time, multi-user chat system supporting concurrent messaging using a multithreaded architecture, integrating message queuing and persistence, enabling seamless chat history and resilience across user sessions.
- Designed an intuitive interface and backend routing logic with efficient socket handling for minimal latency.

Smart Code – AI-Powered Code Autocompletion Tool

Python, Transformers, Flask, React.js

- Engineered a real-time AI code suggestion platform trained on open-source repositories for intelligent autocomplete, integrating Flask APIs with Transformer models to generate contextual code completions based on user input.
- Developed a polished React.js IDE-style interface, improving developer productivity by ~40% during coding sessions.

CERTIFICATIONS AND PROGRAMMES

- **Pragati Path To Future Program (Cohort 4):** Infosys Springboard (Jan–Apr 2025 cohort)
- **MERN Full Stack Development Workshop** – GAT x MeViTechnologies 5-Day Intensive Program
- **Java 11 Essentials Certification** – Infosys Springboard
- **HTML & CSS Web Development (Foundation)** – TechA via Infosys Springboard

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

- **Core Member | Secure Tech Student Forum:** Actively participating in and organizing challenges like CTF and collaborative project initiatives.
- **NSS Volunteer | Global Academy of Technology:** Participated in multiple community service initiatives, including awareness drives and cultural coordination, fostering teamwork and social responsibility.
- **Participant | Bengaluru Tech Summit (BTS) 2024 | Open-Source India 2024:** Actively explored cutting-edge innovations.
- Participated in **HP Power Lab Team Quest**, Creative Tech Events like **Brainstorm Battle** and **Winged Ink-VAIMAANIK 2024**, etc