

AMISHA KUMARI SINGH

varanasi, Uttar Pradesh

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PROJECTS

RepoFarge 🔗 | MERN , AWS

January 2025 - June 2025

- Designed a scalable distributed repository management system with Git-like commands, enabling secure collaboration across 10+ repositories.
- Achieved 99.9% uptime on AWS by optimizing storage and retrieval pipelines.
- Streamlined version control with 6+ custom commands (push, commit, log), improving team efficiency.

Sorting Algorithm Visualizer 🔗 | C++, OpenGL, GLUT

December 2025 - January 2025

- Developed an interactive algorithm visualizer, implementing 5+ sorting algorithms to enhance visual understanding.
- Achieved 30% faster learning curve in peer testing by visual analysis of algorithm operations.

PrakritiCheck 🔗 | MERN stack

Nov 2023

- Personalized wellness platform, featuring dynamic questionnaires to help users identify their Ayurvedic body prakriti
- Achieved a 90% quiz completion rate during testing, with over 50+ users engaging.
- Integrated personalized health insights, including diet, exercise, and lifestyle recommendations, resulting in a 75% user satisfaction rate

EXPERIENCE/CERTIFICATIONS

MythoQuantum Explorers, Varanasi

November 2025 – Present

SDE Intern

- Led the frontend development of the company landing page using React, improving user interaction, design clarity, and overall visual consistency.
- Collaborated with the team to integrate APIs, ensuring smooth data flow and a seamless user experience across the product pages.

Techpuro, Part-Time(Remote) 🔗

July 2025 – October 2025

Software Trainer

- Trained 5+ students in Java, SQL, and programming fundamentals, focusing on language syntax, database queries, and OOP concepts..

IIT BHU, Varanasi 🔗

June 2025 – July 2025

Summer Intern

- Analyzed VoIP/SIP traffic to detect attacks, gaining hands-on experience with TCP/IP, networking protocols and Linux environments.
- Developed ML pipeline to classify SIP-based VoIP attacks with 95% precision on 2,000+ session samples, strengthening AI/ML expertise.

CERTIFICATIONS

- **Google Cybersecurity Professional Certificate (Coursera) 🔗** — Skills: Linux, SQL, Python, TCP/IP, SIEM tools
- **Google Cloud Skills Boost Badges 🔗** — Skills: Cloud Operations, Vertex AI (AI/ML), BigQuery & SQL, Kubernetes, DevOps tools, Data Transformation, Security

TECHNICAL SKILLS

Languages: Python, Java, C, C++, JavaScript, SQL

Technologies/Frameworks: Linux, GitHub, NextJS, NodeJS, ExpressJS, Git, MongoDB, Wireshark

Core Subjects: Operating Systems, DBMS, Computer Networks, OOPs, DSA

Soft Skills: Leadership, Communication, Collaboration, Discipline, Self-Motivation

ACHIEVEMENTS & EXTRACURRICULAR

- **LeetCode (Top 22.8% in Competitive Programming)** — Contest rating: 1614
- **President**, IIC Students Club, AITM, Varanasi
- **State Level Chess Player**, Uttar Pradesh — Year 2023

EDUCATION

Ashoka Institute of Technology and Management, Varanasi

2022 – 2026

B.Tech in Computer Science and Engineering

Kendriya Vidyalaya ASC Center South, Bangalore

High School X th (CBSE)(2019) — 91.8%

Higher Secondary School XII th (PCMB)(2021) — 87.6%