

Sarthak Pujari

IND Citizen | [+91 87889 71047](tel:+918788971047) | sarthakpujari1970@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

SUMMARY

Motivated and detail-oriented Computer Engineering student with strong foundations in **software development**, **AI**, and **backend engineering**. Passionate about building scalable applications using **Python**, modern web technologies, and **machine learning**. Seeking an internship to apply technical skills, solve real world problems, and contribute to impactful projects.

EDUCATION

Savitribai Phule Pune University	Pune, Maharashtra
Modern Education Society's Wadia College of Engineering, Pune	2023 – 2027
Bachelor of Engineering in Computer Engineering	8.44/10

PROJECTS

ASTRA | *Autonomous Security Orchestration & Reasoning Platform* [GitHub](#)
Python, FastAPI, google-adk, Neo4j, ChromaDB, Next.js, Docker

- Engineered an asynchronous security orchestrator to run 4+ vulnerability scanners concurrently and streamline the overall scanning workflow.
- Developed an agentic security workflow that analyzes real-time findings to dynamically select follow-up scans and identify potential attack paths.

NexMesh | *Decentralized Federated Learning Network* [GitHub](#)
Python, PyTorch, NVIDIA FLARE, Docker, Kubernetes, CUDA

- Developed a federated learning system enabling 3 independent clients to collaboratively train a CNN on MNIST while keeping raw training data local.
- Implemented PyTorch-based local training with NVIDIA FLARE and FedAvg, deploying 5-round distributed training across Dockerized Kubernetes nodes with GPU acceleration.

TECHNICAL SKILLS

Languages: C, C++, Python, HTML, CSS, JavaScript, TypeScript, SQL.

Backend: FastAPI, Flask, Django, Next.js, WebSockets.

AI Agents & ML: LangChain, LangGraph, google-adk, MultiAgent Workflows, Embeddings, RAG.

Core Concepts: DSA, OOP, Software Engineering, AI, Computer Networks, Operating Systems, Distributed Systems.

Tools: Git/GitHub, CI/CD, Docker, HuggingFace, OpenRouter, Render.

Databases: SQL (MySQL, PostgreSQL), NoSQL (MongoDB), Neo4j, ChromaDB.

ACHIEVEMENTS & CERTIFICATIONS

- [Codeforces](#) Specialist (Max 1412), [CodeChef](#) (Max 1625), [LeetCode](#) Rating 1545, [ICPC](#) Amritapuri Preliminary Round Rank 1612/2930, Finalist [E-Contest](#) IIT Madras.
- Won [Second Prize](#) at WOWVERSE x MESCOE for showcasing ASTRA.
- Reached the Finals of the VELORA Hackathon, showcasing an AI-based IoT Device Scanner.
- Reached the Semi-Finals of the Google Developer Clubs Build & Grow Hackathon, Pune.
- Completed [The Complete Python Developer](#) certification covering backend, automation, and machine learning.

POSITIONS OF RESPONSIBILITY

Technical Team Member | *CodeStorm Club*

- Conducted technical bootcamps on C++ STL and Data Structures, helping peers overcome fear of complex algorithms.
- Identified logical errors and taught debugging techniques to improve participant code quality.
- Designed algorithmic problems that test logic building and edge-case handling for college-level contests.