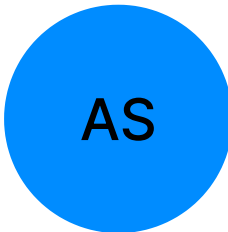


AAKARSHIT SRIVASTAVA

Future Tech Intern

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SUMMARY

I am a tech enthusiast with a background in Computer Science and Engineering focused on Artificial Intelligence. With experience in quantum computing research and energy optimization algorithms, I have a robust skillset in programming languages and technologies. I am passionate about innovation and contributing to projects that leverage advanced tech for real-world applications

EXPERIENCE

Future Tech Intern

Volkswagen Group Digital Solutions

01/2025 - 07/2025 Pune, India

A leading automotive manufacturer focusing on innovative digital solutions

- Led quantum computing research: algorithms and simulators to optimize quantum processes
- Designed and implemented RAG systems and vision models, enhancing automated decision-making
- Integrated LLMs (GPT-based) into production pipelines, improving NLU accuracy by 18% and response latency by 12%, with vision and multimodal capabilities
- Contributed to battery-efficiency projects with AI-driven optimization—significant energy savings
- Explored Unreal Engine and Twinmotion for AR/VR application development and system prototyping
- Collaborated in Agile teams to deliver robust engineering solutions, including drone automation workflows

Research & Development Specialist

Pranveer Singh Institute of Technology

02/2024 - 12/2024 India

An educational institute specializing in technology and engineering

- Developed novel algorithms for energy optimization in high-load industrial environments
- Developed Hybrid VM-scheduling approach reduced makespan by 25–30%, saved 5% energy, improved SLA by 8%
- Published in peer-reviewed journals; collaborated with industry partners to cut costs by 20%
- Utilized CloudSim, Java, Reinforcement Learning (Q-learning, SARSA), and meta-heuristics

EDUCATION

B.Tech

PSIT Kanpur

11/2021 - 06/2025 India

LANGUAGES

English
Native



Hindi
Proficient



KEY ACHIEVEMENTS



Awards & Achievements

National Winner of Volkswagen i.mobilothon 4.0 and a Top 10 Finalist in Flipkart Grid 6.0

SKILLS

Agile

AWS

C/C++

C#

Cybersecurity

Data Structures

Deep Learning

Docker

GCP

Git

GitHub

IoT

Java

Kubernetes

Linux

Unix Shell Scripting

Unix

Mac OS

NLP

OOP

Python

Quantum

SQL

Twinmotion

Unreal Engine

Virtual Reality

Microservices

Gmail

TCP

PROJECTS

Crystal Quantum Shield

01/2024 - 12/2024

Crystal Quantum Shield project aimed at enhancing cybersecurity frameworks

- Developed a post-quantum API security framework (Kyber, Dilithium) in C++
- Enabled real-time threat detection; deployed as cloud microservices
- Achieved recognition as Flipkart Grid 6.0 Top 10 Finalist

BEAM

01/2024 - 01/2024

Project focused on energy efficiency using advanced machine learning techniques

- Created a battery-efficiency system using Reinforcement Learning and IoT sensor integration
- Validated the solution through field tests, winning the national hackathon

INTERESTS



Research and Writing

Founder of a Research Organization with over 20K monthly readers on Medium