Swastik **Anupam**

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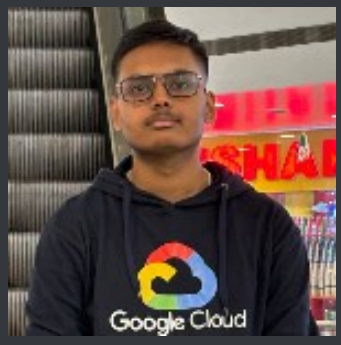

I am a dedicated researcher with a strong focus on Quantum Computing and an active member of IEEE. My academic journey at Amity University Kolkata has honed my skills in Research and Development, Cybersecurity, and Machine Learning. Beyond my formal education, my endorsements underscore my commitment to mastering these domains and contributing to advancements in the tech landscape. My passion for technology, paired with my research skills, drives me to delve deeper into complex problems and create innovative solutions. I am always eager to collaborate and learn, aiming to leverage technology for a brighter and safer digital future.

Skills

Python	Upper intermediate
Quantum Computing	Upper intermediate
C++	Intermediate
R Programming	Intermediate
Machine Learning	Upper intermediate
Research and Development	Advanced
Cloud Computing (AWS)	Upper intermediate

Education

2023-05 - Current

B.Tech: Computer Science and Engineering

Amity University Kolkata

Bachelor of Computer Science and Engineering, September 2023 - Expected Graduation: July 2027

- Currently pursuing a Bachelor's degree in CSE.
- Anticipated graduation date: July 2027, allowing for a comprehensive 4-year undergraduate program.

Accomplishments

Author and Reviewer

- **Current Authorship Projects:** Engaged in authoring chapters for five notable books across top-tier journals, with publications scheduled throughout 2024. Writing a chapter on the 'Internet of Agricultural Things (IoAT)' for a Springer publication, focusing on the innovative integration of IoT technologies in agriculture, enhancing farming practices and sustainability. Contributing three insightful chapters on various aspects of Cloud Computing for IGI Global, exploring current trends and future directions in cloud technology. Developing a chapter on 'Machine Learning-based Encryption' for IGI Global, exploring the synergy between machine learning algorithms and advanced cryptographic methods. Authoring a chapter on 'Fintech Security using Quantum-based Architectures' for Scrivener Publications, examining cutting-edge security solutions in financial technology powered by quantum computing. Crafting a chapter on 'Advanced Neural Networks' for Wiley, contributing to the field of neural network research with a focus on innovative applications and developments.
- **Scheduled Publications:** The first of these contributions, focusing on Cloud Computing for IGI Global, is set to be published in January 2024, initiating a series of impactful releases throughout the year.
- **Editorial Contributions:** Reviewed and enriched over eight chapters for upcoming book publications with IGI Global, enhancing academic literature in technology. My reviews have been centered on ensuring accuracy, relevance, and scholarly excellence in various technology domains.

IEEE Member - Specializing in Quantum Computing and Machine Learning

- **Current Research Work:**Actively engaged in authoring two significant research papers for the upcoming International Conference on Communications (ICC). The first paper delves into 'Quantum Computing Driven Architectures', exploring innovative approaches to computational frameworks enhanced by quantum technology. The second paper focuses on 'Liquid Neural Networks', investigating the adaptability and efficiency of these advanced neural network models in dynamic environments.
- **Published Research:**Authored a comprehensive research paper on 'Machine Learning and Text Analysis using TensorFlow', which has been accepted for publication in the CEUR Workshop Proceedings. This work demonstrates a novel application of TensorFlow in analyzing and interpreting complex textual data, contributing to advancements in machine learning methodologies. The paper is currently in the final stages of publication and will soon be assigned a DOI (Digital Object Identifier), ensuring its accessibility and citation in academic circles. As the principal author, I will be obtaining the necessary author rights, marking a significant milestone in my research career.

Project Milestone: Advanced 3-Layer Firewall Patent

- **Innovative Development:** I am at the forefront of a groundbreaking project focused on an 'Advanced 3-Layer Firewall', a first-of-its-kind in cybersecurity technology. This project represents a significant leap in network security, offering robust protection through a unique tri-layered approach.

- **Collaboration with Expertise:** This project has been a collaborative effort alongside my esteemed professor, Dr. Pronaya Bhattacharya, at Amity University Kolkata. Our combined expertise and innovative thinking have been pivotal in the development of this cutting-edge technology.
- **Patent Process:** We are in the final stages of securing a patent for this unique firewall system. The patent application, initiated through Amity University Kolkata, is set to be finalized by the end of this year. This achievement not only marks a significant milestone in my academic and professional journey but also contributes a novel solution to the field of network security.
- **Future Implications:** The patent of this 3-layer firewall technology is poised to set a new standard in cybersecurity measures. Its unique design and effectiveness hold the potential to transform how security is approached in various network environments.

Languages

English

Hindi

French

Interests

Quantum Physics

Astrophysics

Astrobiology

Events Participated

Google Developer Groups (GDG) DevFest, Durgapur 5 November 2023

- Selected to represent Amity University Kolkata at the renowned GDG DevFest in Durgapur, a significant event in the tech community.
- Among the 250 delegates chosen for this prestigious conference, standing out from over 1500 applicants.
- This selection was a testament to my technical acumen, passion for technology, and potential for contributing to the evolving tech landscape.
- Engaged in a series of workshops, keynote speeches, and networking sessions with leading professionals and fellow tech enthusiasts.
- The experience offered invaluable insights into the latest technology trends and best practices in software development, enhancing my practical knowledge and skills.
- Proud to have carried the banner of Amity university Kolkata in such a competitive and high-profile event, marking a milestone in my academic and professional journey.

Best Dressed Delegate, DBMUN Model United Nations Conference August 2022

- Honored with the 'Best Dressed Delegate' award at the prestigious DBMUN Model United Nations conference.

- Represented the portfolio of Russia in a challenging and dynamic simulation of international diplomacy.
- Demonstrated exceptional diplomatic skills and strategic negotiation abilities in the context of the complex Russia-Ukraine conflict agenda.
- Skillfully navigated the conference's focus, which was predominantly against my represented nation, showcasing adaptability and persuasive communication skills.
- The award signifies recognition for not only adhering to the formal and cultural dress codes but also for maintaining a professional demeanor and poise under pressure.