

## Contact

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## Top Skills

Programming Languages

Secondary Research

Primary Research

## Languages

Hindi (Native or Bilingual)

English (Native or Bilingual)

## Certifications

Solidity & Ethereum in React (Next JS): The Complete Guide

Beginning C++ Programming - From Beginner to Beyond

Unreal Engine 4 - Learn to Make a Game Prototype in UE4

## Honors-Awards

Top 9 in World Scholar's Cup Dubai Round

Finalist in Teens' Next Big Idea global drone competition

Finalist in STEMPedia AI competition

Top 15 in Entrepreneurship and Innovation Program

Merit Scholarship Awardee

## Publications

Effect of Gamification on Task Completion Rates of Adolescents

# Aadivya Raushan

CS @ UIUC | AI, Research & Startups | Building the Future of Work and Learning

Dubai, United Arab Emirates

## Summary

Hey! I'm Aadivya Raushan, a UIUC CS freshman interested in startups and computer science research.

I'm interested in improving education through technology. In the past, I've worked on LessonGPT, an app that automatically generate lesson plans using LLMs (which now has 100+ users who have generated 1300+ lesson plans). I've also worked on Project Streamline, which aims to improve security at school through biometrics, which I've presented at the iCAN global summit representing the UAE in front of 500+ participants from 39+ countries. Apart from these 2 projects, you can also read more about my work on my profile.

I'm constantly on the lookout for opportunities to work at interesting startups or on computer science research. Please contact me at ssdear@gmail.com if you're interested in working with me.

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## Experience

University of Illinois Urbana-Champaign  
Undergraduate Researcher @ FOCAL Lab  
July 2025 - Present (2 months)

Working under Dr. Gagandeep Singh on developing systematic and theoretically principled approaches for constructing intelligent compute systems with formal guarantees about their behavior and safety.

Stealth Startup  
Co-Founder  
June 2025 - Present (3 months)

AutoCorrect  
Independent Researcher  
April 2024 - May 2025 (1 year 2 months)

## Dubai, United Arab Emirates

- Invented AutoCorrect, a cutting-edge AI algorithm leveraging OpenAI's GPTs to autonomously grade IB responses.
- Achieved 100x faster grading and 60% accuracy by deploying the algorithm on 60+ real IB questions—redefining exam assessment efficiency.
- Authored an in-depth research paper as part of the IB Extended Essay, showcasing the project's innovation and impact

## GEMS Modern Academy, Dubai

### GEMS Student AI Leader

April 2023 - May 2025 (2 years 2 months)

## Dubai, United Arab Emirates

Developing generative-AI based applications for my school and organising technical showcases and events

## Design For Change UAE

### National Core Team Member

October 2023 - December 2024 (1 year 3 months)

## Dubai, United Arab Emirates

- Lead technologist for the UAE chapter of a UNICEF-partnered, Pope Francis-recognized global innovation movement spanning 78+ countries.
- Directed national and global showcases, orchestrating events with 40+ schools and 330+ participants across 29+ countries.

## LessonGPT

### Founder

May 2023 - December 2024 (1 year 8 months)

- Engineered a first-of-its-kind AI platform that generated 1,300+ lesson plans, slashing teacher prep time and directly impacting 120+ educators—adopted school-wide.
- Selected as a finalist (top 8/300+ projects) in the GEMS Global Innovation Challenge; presented to 170,000+ at GITEX and at Dubai Police HQ.
- Featured by Gulf News for transforming education with AI

## Project Streamline

### Co-Founder

September 2023 - January 2024 (5 months)

## Dubai, United Arab Emirates

- Co-founded and led tech for a biometric authentication system, eliminating the need for physical ID cards in schools.

- Chosen to represent UAE at iCAN Global Summit (500+ participants, 39+ countries), GITEX Global, and Intersec Conference (48K+ attendees)

### Cambridge Centre for International Research

#### Student Researcher

June 2023 - September 2023 (4 months)

Dubai, United Arab Emirates

- Secured admission to the elite Cambridge Future Scholar Programme in Quantum Computation and Information (15% acceptance rate) and earned the CCIR STEM Merit Scholarship (top 35% of admits).
- Advanced research on quantum superposition, entanglement, Shor's algorithm, and quantum noise correction under the mentorship of Dr. Sergii Strelchuk, a leading University of Cambridge professor.
- Recognized as the CCIR Spotlight Scholar—awarded to the cohort's top researcher for outstanding innovation and curiosity.

### Comprich

#### Software Developer

June 2022 - October 2022 (5 months)

Helped suggest features and fix bugs in the comprich website

### SupplyBlock

#### Founder & Lead Developer

June 2022 - August 2022 (3 months)

Dubai, United Arab Emirates

- Built a global blockchain-powered supply chain platform from scratch—10,000 lines of code, full-stack deployment, and real-world testing.
- Self-taught blockchain development in one month; applied Fortune 500-validated lean startup methods to product design.

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## Education

### GEMS Education

High School Diploma, High School/Secondary Diplomas and Certificates · (April 2018 - March 2025)