Aadivya Raushan

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Skills

- **Programming Languages:** JavaScript, Python, HTML, CSS, Solidity
- **Frameworks & Libraries:** React.js, Tailwind CSS
- **Tools & Platforms:** Git, AWS, Docker, Node.js, Truffle, Google Analytics, Adobe Creative Suite (Premiere Pro, Photoshop, Illustrator), GIMP, DaVinci Resolve
- **Concepts:** Artificial Intelligence (AI), Machine Learning (ML), Generative AI (GPT models), Blockchain, Quantum Computation, Data Analysis, Gamification, Lean Startup Methodology, Design Thinking
- **Languages:** English (Native), Hindi (Fluent), Spanish (Basic)

Education

University of Illinois Urbana-Champaign (UIUC) | Urbana, IL, USA
Expected Graduation: May 2029 Bachelor of Science in Computer Science

GEMS Modern Academy | Dubai, UAE *Graduated: June 2025 (Anticipated)*

- International Baccalaureate (IB) Diploma Programme
  - Higher Level Subjects: Physics, Mathematics Analyses and Approaches and Computer Science
  - Standard Level Subjects: Economics, English Language and Literature and Spanish AB Initio
  - Highest possible score in a subject is 7
  - Grade 12 Score: 41/45 (Top 10% score)
    Grade 11 Score: 41/42 (Top 1–2% score)
- ICSE
  - Grade 10: Average of 98.4%
- Digital SAT Score: 1560 (780 English, 780 Math)

Experience

LessonGPT | Founder & Lead Developer | Dubai, UAE *May 2023 - Present*

- 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 (https://gulfnews.com/uae/education/role-reversal-dubai-student-enables-teachers-to-plan-better-save-time-with-ai-1.99366790)

Project Streamline | Co-Founder & CTO | Dubai, UAE *September 2023 - January 2024*

- 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)

SupplyBlock | Founder & Lead Developer | Dubai, UAE *June 2022 - August 2022*

- 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.

Nocrastination | Founder & CEO | Dubai, UAE *May 2021 - March 2022*
- Founded a productivity videogame for teens with ADHD and other attentional challenges.
- Applied the design thinking method inspired by Google's Sprint method to design the product.
- Led a team of 5 members.
- Pitched the product to 100+ stakeholders across multiple schools.
- Top 15 projects out of 60+ in my grade in the entrepreneurship and innovation program.

Research

AI for Automated Exam Correction | Independent Researcher | Dubai, UAE *April 2024 - Present*

- 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

Quantum Computation & Information | Student Researcher, Cambridge Centre for International Research (CCIR) | Remote/Cambridge, UK *June 2023 - September 2023*

- 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.

Gamification & Adolescent Productivity | Independent Researcher | Dubai, UAE *January 2022 - April 2023*

- Orchestrated a cross-sectional field study on gamification's impact on adolescent productivity, building on research from the Institute of Electrical Engineering.
- Partnered with Harvard Business School-recognized Mindspark and engineered data analysis using Python and the Wilcoxon rank-sum test.
- Published findings in the International Journal of Novel Research and Development (link ↗), a top 5% international journal (impact factor: 8.76).

Leadership & Volunteering

Design For Change (UAE Chapter) | Lead Technologist, National Core Team | Dubai, UAE *September 2023 - Present*

- 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.

Awards & Recognition

- Gulf News Featured Innovator (LessonGPT), 2023
- GEMS Global Innovation Cup Finalist (Top 8/350+), 2023
- iCAN Global Innovation Conference UAE Representative, 2023
- Cambridge Center of International Research Spotlight Scholar & STEM Merit Scholar, 2023
- ICSE Grade 10 World Topper: Computer Science & Chemistry, 2023
- STEMPedia Global AI Competition Finalist (Top 10/140+), 2021