

PRAKRIT MITTAL

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EDUCATION

Dubai College, Dubai, UAE	2019-2026
- <i>A Levels: Chemistry, Biology, Mathematics, Economics</i>	In progress
- <i>GCSEs: Mathematics, English Language, Additional Mathematics, Physics, Chemistry, Biology, English Literature, Computer Science, Physical Education, Geography, Economics</i>	2022-2024

STANDARDIZED TESTS

• UCAT: 2440/2700, Band 2	2025
• ACT with Science: 35; English: 36, Reading: 35, Mathematics: 35, Science: 35	2025

ACADEMIC HONOURS

International

- Highest Mark in The World (Pearson Edexcel GCSE Physics): Outstanding Pearson Learner Award	2024
- Silver Award in Senior British Biology Olympiad	2025
- Pearson Certificate of Excellence for GCSE Performance	2024
- Silver Award in Royal Society of Chemistry Olympiad	2024
- Winner of Duke University Vertices Communication Challenge for Biology Essay	2024
- Gold Award in Senior UKMT; Kangaroo Round Qualifier in Intermediate UKMT	2024
- Distinction in the International Chemistry Quiz (Royal Australian Chemistry Institute)	2023
- Gold Award in The Biogenesis Olympiad	2023

School

- School-wide co-topper achieving all 9s at GCSE	2024
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Non-Scholastic

- Winner of Young Talent Music Competition as a guitarist	2023
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MEDICINE & SCIENCE EXPERIENCES

Regular school representative in Dubai Science Super League, Dubai Maths Super League	2022-2023
- Regularly chosen to represent Dubai College at the 'Golden Bunsen' prestigious inter-school science competition	
- Regularly chosen to represent Dubai College at the prestigious DMSL inter-school maths competition league	

Research into CAR-T Cells **2024-Present**

Remotely mentored by Dr Dipika Gupta - Professor (Associate) at Indiana University School of Medicine Northwest

- Researched how CAR-T cells function and their role in the human body; how CAR-T cells can be used in therapy as opposed to traditional treatments
- Composed a review paper which is pending publication

Research into Skin Cancer **2024**

Remotely mentored by Dr Teodora Popa - Programme Director of MSc Reproductive Science and Women's Health at UCL

- Composed an academic poster and informational leaflet exploring the influence of smoking on skin cancer
- Investigated links between smoking and skin cancer by analysing observational/hospital-based data on melanoma

Extended Project Qualification **2025**

- Researched mechanochemistry in drug synthesis, analyzing cost, sustainability, and environmental impact compared to traditional methods.
- Explored implications for pharmaceutical pricing and NHS funding, evaluating whether mechanochemistry could reduce healthcare costs.

Fakeeh University Hospital, Dubai, UAE (<https://www.fuh.care>) **2024**

A multi-specialty hospital providing world-class care and 24/7 emergency services.

Intern in Dermatology and Urology, overseen by multiple Doctors at Fakeeh University Hospital

- Observed dermatology cases, including acne and hyperhidrosis, and learned evidence-based treatment approaches.
- Shadowed urology procedures such as laser lithotripsy, gaining insight into minimally invasive patient care.

Medeor Hospital Dubai, Dubai, UAE (<https://medeor.ae>) **2023**

A multi-specialty hospital providing world-class care across 35 specialties and 24/7 emergency services.

Intern in Nephrology and Pediatrics, overseen by multiple Doctors at Medeor Hospital Dubai

- Shadowed doctors in the nephrology department, observed hemodialysis procedures, and gained insight into the clinical management of kidney failure and transplantation
- Observed pediatric consultations, learning how doctors use empathy, reassurance, and clear communication to support anxious parents and improve patient care

Unilabs, Dubai, UAE (<https://unilabs.ae>) **2024**

A leading diagnostic facility

Intern in the pathology and diagnostic departments, overseen by Ms. Ebithal Darwish

- Explored different diagnostic equipment and how microscopes are setup in pathology

SCIENCE COMMUNICATION FOR STUDENTS

Personal project resulting in me starting a journal for students to submit various essays 2024 - Present

- Designed a platform for students to submit essays for publishing which are reviewed and published in editions
- Analyzed and critiqued student entries; provided feedback on referencing and academic integrity
- Explored how AI is currently being used in the medical landscape and what the future entails for the technology
- Explored how personalized medicine is playing an increasing role in healthcare

LEADERSHIP AND COMMUNITY INITIATIVES

Volunteer at Senses Dubai 2024 - Present

The first residential care facility in the Middle East, dedicated to improving the quality of life of people of determination

- Over multiple weeks I have spent time assisting neurodivergent children with daily tasks such as tying shoelaces
- Helped to organize physical exercise sessions which help to develop balance, coordination and focus

Head of Medical Society 2025-Present

- Helped students aged 16-17 in their junior year to prepare for medicine applications and held a variety of discussions such as whether euthanasia is ethical
- Held weekly sessions with these students to constantly explore the latest news and developments in healthcare

Speaker and Ambassador at the UAE Aspiring Medics & Scientists Conference 2025

- Discussed the pressing medical issues in healthcare such as the dawn of AI

House Captain 2024-2025

- Organized events for the whole school; led assemblies; nurtures the holistic growth of younger peers
- Facilitated in running sports day and selecting and managing the athletes competing
- Developed quizzes and games for younger year groups such as obstacle courses

Head of Junior Medical Society 2024-2025

- Led weekly sessions for students aged 11-16 across a variety of subjects ranging from ethical dilemmas to problem solving and what a career in medicine entails
- Helped students to balance their academic studies with extra-curricular endeavors

Peer Mentoring 2022-2023

- Mentored a Year 10 student throughout the academic year to help him achieve his potential in GCSEs

ONLINE COURSES

- Completed a 3-week course from Duke University– ‘Introductory Human Physiology’ 2023
- Completed a 6-week course from The UNC Chapel Hill–Epidemiology: The Basic Science of Public Health. 2023

SPORTING AND MUSICAL ACHIEVEMENTS

School

- Member of the school football team 2019-Present
- Member of the school cricket team 2020-2023

National

- Live guitar performances at Etisalat Market Outside the Box 2023
- Live performance at PopCon Middle East 2022
- Runner up of the Youth Football League 2022
- Runner Up with Dubai College in DASSA 2022

International

- Represented City Football Club in the Netherlands against Feyenoord 2022

COMPUTER SKILLS

- Experienced with Python in great capacity, and HTML/CSS in the scope of hobbyist self-study
- Experienced with graphic design platforms such as Canva and Wix

HOBBIES & INTERESTS

- Keen musician: Grade 8 in Electric Guitar; regular performer at local festivals
- Enthusiastic footballer
- Completed Duke of Edinburgh Award: Silver Level
- Fond horse-rider
- Passionate magician