Suneet Mahajan

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Education

University College Cork — **Cork, Ireland**
BSc. Data Science & Analytics, First Class Honours — *2021–2025*

University of Zagreb — **Zagreb, Croatia**
UNIC Mathematics Summer School Programme — *2024*

Experiences & Responsibilities

Pika — **Palo Alto, USA**
Engineer — *2025–present*
Developing a full social media app with scalable backend systems, APIs, and integrating ML models, delivering high performance, security, and seamless front-end integration.

Huawei — **Munich, Germany**
Research Intern, Map Data Building Algorithms — *2022*
Developed and implemented heuristic algorithms which allowed internal routing engine's performance, for Petal Maps, to be assessed, primarily using Rust. Optimised algorithm implementation in performance-critical processes, improving algorithm runtime by 17x. Link to Reference Letter

Western European Olympiad in Informatics — **Netherlands (2023), UK (2024), Italy (2025)**
International Scientific Committee Member — *2023–present*
Serving as part of the ISC jury for the WEOI since the inauguration of the competition; planning, preparing and overseeing the contest.

Irish Mathematical Trust & University College Cork — **Cork, Ireland**
Mathematics Enrichment Tutor — *2021–present*
Multiple of my students proceeded to be selected to represent Ireland at the International Mathematical Olympiad and European Girls Mathematical Olympiad in every year from 2022 to 2024. Link to article

Codeforces — **Online**
Contest Problemsetter & Coordinator — *2021–2025*
Oversaw & authored 8 Codeforces rounds in this time, each with over 20,000 contestants. Developed and prepared problem ideas using the Polygon framework. Link to contests I've authored

Other: Backend SWE Intern @ Homeplan.com Inc. (2024), SWE Intern @ IBM (2018)

Selected Awards & Honours

International Olympiad of Informatics: Silver Medallist — *Singapore, 2020–2021*

Irish Collegiate Programming Contest: Winner — *2023, 2024, 2025*

All Ireland Programming Olympiad: Winner — *2020–2021*

Irish Mathematical Olympiad: Reserve Member, 7th nationally — *St. Petersburg, Russia, 2020–2021*

Codeforces: Master Title, Top 1 percent among 700,000+ users — *2020–present*

AtCoder: 1st Dan Title, Top 0.9 percent among 200,000+ users — *2022–present*

United States of America Computing Olympiad: Platinum Division — *2021–present*

Patch Accelerator Programme: One of 25 selected students across Europe — *2021*

Skills/Interests

Technical Skills: C++, Java, Python, Rust, Go, R, Javascript, Machine Learning.

Interests: Chess (Uni. Captain), Badminton (Uni. Committee), Swimming, Cricket, Competitive Programming, Scouting, First Aid (Qualified), Language Learning, Quizzes, Travelling.