MALIK MUHAMMAD SHEHRYAR HANIF

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EDUCATIONAL BACKGROUND

NYU Abu Dhabi [Abu Dhabi, UAE; Aug. 2019 - May 2023]
- B.S in Computer Science, Mathematics
- Current CGPA: 4.00 / 4.00
- Relevant Completed Coursework: Algorithms, Data Structures, Linear Algebra, Probability and Statistics, Discrete Mathematics, Multivariable Calculus with Application to Science and Engineering, Analysis 1
- Relevant Current Coursework: Linear and Nonlinear Optimization, Database Design and Implementation, Software Engineering

SKILLS

Languages
- Native or Bilingual Proficiency: English, Urdu
- Full Working Proficiency: Hindi, Punjabi

Programming
- Advanced: Python (OOP and Data Science), C++, C
- Intermediate: R, HTML, CSS (Including Bootstrap 4), JavaScript (Including jQuery, Node.js, and basics of React.js)
- Beginner: MongoDB (Including MongoLab), Julia

Miscellaneous
- Advanced: LaTeX, Microsoft Word
- Intermediate: Microsoft Excel, Microsoft PowerPoint, Adobe Photoshop
- Beginner: Adobe Lightroom

AWARDS AND HONORS

- Top in World, Cambridge O Level Sociology
- Top 10 Mathematicians in Pakistan, National Mathematics Talent Contest (Equivalent to USAMO)
- 2nd Place in Pakistan, FAST National University's Interface Online Creative Writing Competition
- 3rd Place in Punjab, Best Across Four Cambridge A Levels (Equivalent to 11th and 12th Grades)

PAST AND CURRENT EXPERIENCE

Research Assistant (Coding and Data Science Lead), Assistant Professor Jonathan Andrew Harris (Political Science)   [Abu Dhabi, UAE; Sep. 2020 – Present]
- Currently using R and Python scripts to clean up 2019 and 2020 Malawi election results to identify voting irregularities and incidence of fraud committed by the incumbent government
- Wrote Python scripts using pandas and beautifulsoup4 libraries to web-scrape, clean, and analyze large open-source and government-produced databases, so as to fuzzy-match and geo-map election polling stations in Pakistan and see how gender turnout varies between combined and gender-segregated stations
- Other responsibilities include literature review, copy-editing research articles, and type-setting papers in LaTeX

Web Team Member, The Gazelle [Abu Dhabi, UAE; Sep. 2020 – Dec. 2020]
- Helped maintain the full stack for the website (https://www.thegazelle.org/) for UAE's biggest college newspaper
- Website primarily used JavaScript (particularly React.js) and TypeScript for front-end
- DigitalOcean Droplet used to set up website server

Copy Chief (Former Deputy Copy Chief), The Gazelle [Abu Dhabi, UAE; Sep. 2019 – Dec. 2020]
- Oversaw the final editorial process of the weekly student publication as head of the Copy Team
- Taught custom American Grammar Style Guide to help journalists and members of the editorial team
- Team size grew from 3 to 8 during my tenure

Diversity Committee Member, NYUAD Student Government [Abu Dhabi, UAE; Sep. 2020 – Dec. 2020]
- Liaised between Student Interest Groups based around identity and culture, coordinating logistics and collaborative opportunities
- Organized campus conversations to discuss student body concerns, such as low-income students and faculty racial diversity

Event Coordinator, Innoventions Science Olympiad [Lahore, Pakistan; Mar. - Sep. 2018]
- Headed team of 160+ students for 3-day science competition (covering areas such as mathematics, engineering, and computer science) with 500 delegates attending from other schools
- Responsibilities included directing promo videos, securing financing through external sponsors (roughly 5,000 USD), managing book-keeping, and liasing with food vendors