

Komut Tauch

Birmingham, United Kingdom
tauchkomut06@gmail.com | LinkedIn | GitHub

EDUCATION

University of Birmingham

Birmingham, United Kingdom

BSc Mathematics and Computer Science

Sep 2024 – Jun 2027

- Maths Modules: Vectors, Geometry & Linear Algebra (87%), Real Analysis (80%), Probability & Statistics (74%), Mechanics (79%)
- Computer Science Modules: Computer Systems & Professional Practice (80%), Data Structure & Algorithms (67%)

University College London

London, United Kingdom

Summer School

Jun 2025 – Aug 2025

- Modules: Mathematics for Machine Learning (66%), Mathematical Finance (78%)

LEADERSHIP AND WORK EXPERIENCE

University of Birmingham Investment & Finance Society

Birmingham, United Kingdom

Quantitative Finance Vice President

Apr 2025 – Current

- Led a team of analysts, overseeing the full recruitment process and ensuring high-quality investment analysis
- Organized educational workshops and speaker events, exposing students to machine learning applications
- Worked with team members to present monthly performance reports to the fund's advisory board

University of Birmingham Investment & Finance Society

Birmingham, United Kingdom

Investment Fund Analyst

Nov 2024 – Apr 2025

- Collaborated with team of 3 to research and analyze market news, earnings reports, and industry developments
- Presented stock recommendations to the fund's senior analysts, contributing to a diversified investment portfolio

University of Birmingham

Birmingham, United Kingdom

Student Ambassador

Oct 2024 – Current

- Shared with prospective students details about my course and University on Open Days, leading campus tours
- Organised informational sessions, presentations, resulting in a 10% increase in prospective student engagement

PROJECTS

F1 Lap Time & Race Outcome Prediction | *Python, FastF1, pandas, XGBoost, Streamlit*

- Designed a regression model using XGBoost to predict lap times and finishing positions in F1 races, leveraging telemetry data, tyre compounds, sector times, and weather from the FastF1 library
- Built an interactive Streamlit dashboard to visualize predicted lap times, overtake probabilities, and real-time driver performance deltas using telemetry overlays and position tracking

Student Registration System | *Python, tkinter, SQL, OpenCV*

- Designed and implemented a data management program with an intuitive, user-friendly graphical interface
- Designed a program for registration with a database system to securely manage over 200 students' information

SKILLS

- **Programming Languages:** Proficient in Python, Experience in Java and C++
- **Technologies:** HTML, CSS, JavaScript, React, SQL, Git, OpenCV, pandas, XGBoost, Streamlit
- **Languages:** English (Native), Khmer (Native), Spanish (Conversational)

AWARDS

- **American Mathematics Olympiad (AMO):** Silver Medal and Bronze Medal
- **Senior Mathematical Challenge (UK):** Silver Medal and Bronze Medal
- **Singapore and Asian Mathematics Olympiad (SASMO):** Bronze Medal
- **Singapore International Math Olympiad Challenge (SIMOC):** Bronze Medal
- **World Mathematics Invitational (WMI):** Bronze Medal
- **birmingHack 1.0:** Most Fun Hack Category
- **Careers Events:** The Trade Desk Open House Event, Glencore CV & Interview Workshop, Morgan Stanley EMEA Virtual Event Series

Interests: Fitness, Languages, Reading, Poetry, Travelling, Photography, Cooking, Baking