

# Taleef Tamsal

Islamabad, Pakistan

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## EDUCATION

**Lahore University of Management Sciences (LUMS)**

**Sep 2020 - May 2024**

BS Computer Sciences

**Bloomfield Hall School**

**Aug 2018 - May 2020**

CIE Advanced Level Grades

- Subjects: Math(A\*), Physics(A\*), Chemistry(A\*)

## WORK EXPERIENCE

**Pakistan Mobile Communication Ltd – Jazz**

**July 2023 - August 2023**

*Digital Division Intern*

- Optimized push notifications for Jazz applications, enhancing user engagement and retention
- Assisted in collateral design and feedback to enhance user experience in app usability

**Lahore University of Management Sciences**

*Teaching Assistant*

- TA to the following courses: **CS 100 & CS 589** (Fall 2022), **CS 3812** (Spring 2023), **CS 310** (Fall 2023)
- Developed comprehensive assignments, homework, and quizzes, facilitated weekly office hours for student guidance, and monitored and evaluated student projects

## EXTRA-CURRICULAR EXPERIENCE

**LUMS Entrepreneurial Society**

**September 2021 - May 2022**

*Manager HR*

- Organized general body meetings, drafted event proposals, maintained society forms and database

**IEEE LUMS Student Chapter**

**September 2020 - May 2023**

*Treasurer*

- Host for Stacks' Hack for Impact Hackathon, Promotions and Outreach Head for CodinGuru 4.0, and Treasurer of IEEE LUMS for 2022-2023

## PROJECTS <https://github.com/Taleef7>

- **Employee Attendance and Leave Management System:** Developed an end-to-end complete and tested MERN web-app allowing organizations to track employee attendance and leaves through biometric verification
- **Tourism Management System:** Developed a web app, using Bootstrap and HTML/CSS as front-end and Django for backend, allowing tourists to make bookings and plan trips, hotels to register and provide bookings, and locals to leave points of interests
- **Authorship Attribution using ML:** Developed a project for Authorship Attribution of thousands of tweets from influential twitter handles, using a variety of machine learning models to improve accuracy in the process
- **Sindh Education Dataset Analysis:** Cleaned, analyzed, and interpreted Sindh's educational dataset and utilized multiple visualizations to determine discrepancies in enrollment across Sindh's districts

## RESEARCH

- **Patient Consent Management through Smart Contracts:** Developed a smart contract based solution webapp that stores medical data consents of patients off-chain and can be queried to retrieve data efficiently and securely
- **Performance analysis of Public service Websites:** Performed quantitative performance analysis of Pakistan's government websites using Google LightHouse and evaluated their shortcomings through benchmarking them against various performance metrics and identifying their SEO limitations

## SKILLS AND INTERESTS

- **Languages:** Python, C/C++/C#, Javascript/Typescript, HTML/CSS, SQL, MATLAB, Haskell, LaTeX
- **Libraries:** Pandas, NumPy, React.js, Node.js, Matplotlib, TensorFlow, PyTorch, SciKit Learn
- **Soft Skills:** Professional Communication, Teamwork, Adaptability, Management, Creative Writing
- **Certifications:** Google Data Analytics Professional Certificate (July 2023) and IBM Cybersecurity Analyst Professional Certificate (June 2023)