

SUMAIRA AHMAD

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Education

Karachi University, *Master's in International Relations*

Karachi, Pakistan

Related Coursework: International Law, International Economic Relations, European Diplomacy

Karachi University, *Bachelor's in Science, Majors in Math & Statistics*

Karachi, Pakistan

Experience

Website Moderator, *GateOverflow*

- Edited GateOverflow's WordPress website making necessary adjustments to content and UX design
- Contributed to website's front-end development using HTML, CSS, JavaScript, and latex
- Moderated blog and uploaded consistent content

Teacher, *Clifton Cambridge School*

- Taught Second-Fourth grade classes in The Clifton Cambridge School
- Helped students with English, Science, and Pakistani Studies
- Worked with faculty and administration to teach, collaboratively design curriculum, and conduct meetings

Volunteer Developer, *AgileVenture, Ersilia (present)*

- AgileVentures provides software project management services to third sector charities and non-profits
 - Refactored React code and debugged and fixed old user code.
- Ersilia is an open source online reproducible research related to pharmaceutical drug discovery hub.
 - Find research papers, read these papers and find, rewrite the Machine learning models found in the papers and upload them on Ersilia hub.

Outreachy internship with Mboalab community:

- Outreachy is an online paid internship program for women in technology. Different open source communities put up projects and interns work on these projects.
- Build a Google Colab based Gradio app for image classification and data storage for initial application. I used sqlite database for textual data and Convolution neural network for image classification.
- Build a Kivy, Kivymd based android app, added the firebase realtime db for database and firebase storage for image collection and Google cloud function for image classification.
- Added the French translation functionality in open-flexure connect , using i18next for Mboalab. Open-flexure is an open source microscope.
- As the team leader, I created issues for my co-intern on github and guided her throughout the development process.
- Code can be seen on my Github and working of apps on my [youtube](#) channel.

Projects

React Apps:

- **My Quote Machine:** This app makes a network request to fetch data from an Api and render it in a react base component.
<https://codepen.io/ibia/full/yxwNmx>
- **Pomodoro Clock:** An online react app that is based on classic pomodoro timing technique.
<https://codepen.io/ibia/pen/eQdMOL>
- **JavaScript Calculator:** A basic javascript calculator build using reactjs.

<https://codepen.io/ibia/full/rQBGMm>

Certifications

Berkeley edX – Scalable Machine Learning, University of Madrid – Introduction to Computer Vision Applications, Udemy – Web Developer Bootcamp, FreeCodeCamp -- Front End Libraries, Stanford coursera – Machine learning, Drug Discovery: A Beginner's Guide – (WCAIR, university of Dundee)

Skills

-Programs: HTML, CSS, Javascript, Bootstrap, ReactJS, d3.js, Express, MongoDB, Git, Heroku, Nodejs, python. Firebase, sqlite, kivy, kivymd, Google cloud functions, Airtables, C, AutoML, AutoGluon, Numpy, Pandas, Tensorflow

-Abilities: Internet Research, Data Analysis, Data Entry, programming

-Languages: English (Fluent), Urdu (Fluent)

Article

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