

Kafaite Zahra Hussain

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<https://github.com/kafaite24>

[linkedin.com/in/kafaite-zahra-hussain](https://www.linkedin.com/in/kafaite-zahra-hussain)

EDUCATION

National University of Sciences and Technology, Islamabad, Pakistan
Bachelor of Software Engineering

2016 - Present
CGPA: 3.33

Udacity
Data Analyst Nanodegree

Mar 2020-June 2020

PROFESSIONAL EXPERIENCE

Software Developer

Central Power Purchasing Agency (CPPA-G), Islamabad (Pakistan)

August 2019 – May 2020

- Developed a robust system to store and manage an extensive amount of data using SQL
- Cleansed & manipulated data using Python & performed business computations using various modules (SDDP, EPP, CPP)
- Visualized results on an interactive dashboard using Node.js for backend and React.js for frontend.

Research Intern

CRIMSON LAB, SEECS NUST, Islamabad (Pakistan)

June 2019 – August 2019

- Understood and classified human physical activity using on-body accelerometers
- Developed a model for human activity recognition using deep neural networks
- Completed Deep Learning Specialization on Coursera by Andrew Ng (deeplearning.ai).

Intern (Web Developer)

Technical University of Kaiserslautern (TUKL), Research & Development Lab, SEECS, Islamabad (Pakistan)

Jan 2019–Apr 2019

- Redesigned the website for Pakistani Pattern Recognition Society

Intern (Data Modelling and Analysis)

Techlogix, Lahore (Pakistan)

July 2018- August 2018

- Worked on Erwin Data Modeler, SQL Server Management Studio & organized Data on Excel to generated reports
- Completed Machine Learning Course on Coursera (Andrew Ng/Stanford) and Machine Learning Crash Course by Google Developers

PROJECTS

Final Year Project (Intuitionist)

- Web application using React.js, Node.js, Material UI, Express and MySQL to store extensive data in the database, perform computations on data using computational modules and visualize results on a dashboard.

Coding Website (CodeCup <https://codecup.herokuapp.com/>)

- Using MERN (MongoDB/react.js/Express/Node.js) to create online python coding platform similar to “HackerRank”

Data Analysis

- Analysed a Kaggle’s dataset, ‘no-show medical appointments’ using python’s pandas, numpy, matplotlib and seaborn library
- Found trends in data and used descriptive statistics to answer questions

Analyze A/B test results

- Conducted A/B test and analyzed a dataset containing the conversion rates between new and old websites for an e-commerce website to help company with the decisions: implementation of the new page, keep the old page, or run experiment longer.
- Used Python, Numpy, Pandas, StatsModels, Scipy

Data Wrangling

- Gathered, Assessed and Cleaned data from the [WeRateDogs](#) Twitter account
- Analysed and Visualised it to draw conclusions
- Used Python, Numpy, Pandas, StatsModels, Scipy

Data Visualization

- Did Explanatory and Exploratory visualization on the Prosper’s Loan data.

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- Highlighted trends/ patterns in the dataset and answered some questions
- Used Python, Pandas, Seaborn, Matplotlib, numpy

Other Projects

- Shopping Management System (E-commerce system)- MySQL for database management and Visual C++ for the frontend
 - Flappy birds game Using Python's Pygame library
 - Web Scraping projects using Selenium and BeautifulSoup.
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SKILLS & INTERESTS

- **Programming Languages:** Python, C, Java, JavaScript (React.js, Node.js), HTML, CSS, SQL, MongoDB, Bootstrap, MaterialUI, Pandas, Numpy, Matplotlib
- **Software:** Git, MySQL, Google Colab, and Excel/Word.
- **Installing and Configuring Servers:** Heroku