

# Kafaite Zahra Hussain

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<https://github.com/kafaite24>

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## EDUCATION

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

2016 - 2020  
CGPA: 3.38

**Udacity**  
Data Analyst Nanodegree

April 2020-June 2020

## PROFESSIONAL EXPERIENCE

### Associate Developer

Koraspond 360, Riyadh (Saudi Arabia)

May 2020 – Present

- Developing an Enterprise Resource Planning (ERP) for a multipurpose School Management system to be used in 200+ countries for 30000+ schools of all sizes.
- Designed user interface screens of different features.
- Leading frontend development of the entire system comprising of 50+ modules | React.js, Redux, DevExtreme, MaterialUI.

### Software Developer

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

August 2019 – May 2020

- Developed a robust system to store and manage around 80 years of data (45+ excel sheets, 900,000 rows) | MySQL, Node.js, React.js
- Cleaned & manipulated data using Python's Pandas library
- Implemented business computational modules (SDDP, EPP, CPP)
- Visualized results on an interactive dashboard using CanvasJS.

### 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 Crash Course by Google Developers and Machine Learning Course on Coursera (Andrew Ng/Stanford)

## 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

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## 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.
- 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