

# BILAL SIDDIQUE

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## Objective

A skilled fresh graduate software engineer adept at developing and deploying Python-based web applications using Django and Flask frameworks. Passionate about emerging technologies such as cloud and data engineering. Specialized in front-end and back-end development, with expertise in React.js, Next.js, Django, Tailwind CSS, Docker, Kubernetes, and more.

## Education

**NED University of Engineering and Technology, Karachi, Pakistan (UIT)** **10/2019 – 07/2023**

*Bachelors Of Science, Software Engineering, Major Computer Science*

*GPA: 4/3.01*

**Coursework: Cloud Computing, Data Structures & Algorithms, Object Oriented Programming, Data Encryption & Security, Fundamentals Of Data Mining**

## Technical Skills

**Languages:** Python, TypeScript, JavaScript  
**Web Technologies:** React.js, Redux, Next.js, Tailwind CSS  
**Frameworks:** Flask, Node.js, Django, Next.js  
**Databases:** MongoDB, SQL (Oracle Database)  
**Version Control:** Git, Github  
**Deployment & Cloud:** Docker, Kubernetes  
**Software & Tools:** Postman, VSCode, Firebase

## Experience

### Freelance Full-Stack Engineer

**Remote**

*Fiverr—Upwork*

*01/2023 – Present*

- Collaborated with clients worldwide, delivering exceptional results through web development services.
- Developed dynamic and static websites using technologies such as React.js, Next.js, and Tailwind CSS.

### Assistant Python Lecturer

**Karachi, Pakistan**

*Usman Institute of Technology, Karachi*

*01/2023 – 07/2023*

- Assisted lead Python lecturer in preparing and delivering engaging lectures.
- Conducted tutorial sessions to provide additional support on Python programming concepts.

### Software Engineer Intern (Front-end)

**Remote**

*RadicalX, New York*

*01/2021 – 06/2021*

- Collaborated in interdisciplinary team for front-end and back-end development.
- Contributed to creation of user stories, breaking them down into engineering tickets.
- Developed a dashboard for creating, updating, and deleting apprenticeship programs.
- Utilized tech stack including JavaScript, React.JS, Redux Toolkit, Node JS, Firebase, and Tailwind CSS.

## Projects

### Student Project Allocation System | Python, Django, Bootstrap5, PostgreSQL [Git Live](#)

**01/2021 – 02/2021**

- Developed a Student Project Allocation System module as a semester Project.
- Designed and implemented a Python Django project enabling student and project management. Empowered users to effortlessly add, edit, and assign projects to students, while providing visibility into assigned projects.

### FYP - Co-reference Resolution in Urdu Language | Python, Django, Bootstrap, XLM-Roberta Model **06/2022 – 08/2023**

- Developed using XLM-Roberta NLP model to classify entities in low-resource language like Urdu.
- Co-reference resolution is to find and group all mentions referring to the same entity.
- It was a research based project where we were using Transformers based model.

### Consumer Complaints Data Pipeline and Visualization Project | Python, Airflow, MySQL [Git](#) - **08/2023 – Present**

- Crafted an end-to-end ETL solution in Airflow for Consumer Financial Protection Bureau complaint data, meeting internal stakeholders' need for up-to-date monitoring.
- Extracted, transformed, and loaded data into MySQL, currently developing a Streamlit dashboard for dynamic visualization to enhance decision-making.

### Scrap Flights Data - Sastaticket.pk — Gozayaan.com | Python, BeautifulSoup, requests [Git](#) - **08/2023 – 08/2023**

- Created scrapers for Gozayaan and Sasta-ticket to extract flight data as per requirements and stored it in CSV format.

## Certifications

**Certificate 1:** Certified Cloud Data Engineer - Karachi AI (In progress)

**Certificate 2:** Intermediate Python - DataCamp [DataCamp](#)

**Certificate 3:** Web Scraping in Python [DataCamp](#)

**Certificate 4:** Data Manipulation with pandas [DataCamp](#)

**Certificate 5:** Front-End Development - From Facebook(Meta) [Coursera](#)

**Certificate 6:** Programming with JavaScript - From Facebook(Meta) [Coursera](#)

**Certificate 7:** Version Control(Git and GitHub) - From Facebook(Meta) [Coursera](#)

**Certificate 8:** React Basics - From Facebook(Meta) - From Facebook(Meta) [Coursera](#)

**Certificate 9:** Advance React - From Facebook(Meta) [Coursera](#)