Md. Ariful Islam
Software Engineer

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Github | LinkedIn | Portfolio | HackerRank

SUMMARY

I possess expertise as a Junior Software Developer, **specializing in Python, Django, and web development.** With a knack for **problem-solving and collaboration**, I excel at delivering top-notch solutions as part of a team. I am committed to staying agile and adapting to the evolving tech industry landscape.

EXPERIENCE

Software Engineer, DEC 2023 - Present
Mediusware Ltd - Dhaka, Bangladesh

As a Software Engineer at Mediusware, I lead the development of **automated processes for social media platforms** and optimize **HR management systems**. I specialize in **Python, Django, and web development**, with expertise in **frontend responsiveness and API integration**. Additionally, I have worked on an **AI project** developing a language-learning chatting app using the **OpenAI API**. My role involves enhancing user engagement, facilitating communication, and streamlining workflows. With problem-solving skills and a proactive approach, I contribute to driving innovation and delivering high-quality solutions.

SKILLS

Languages: Python, JavaScript, C, C++.
Framework and libraries: Django, Flask, Scrapy, Selenium, Beautiful Soup, Blacksheep, DRF, Fast API, React, Bootstrap, Tailwind.
Databases: MySQL, PostgreSQL, SQLite, MongoDB
Tools: Pycharm, VS-code, Jupyter Notebook, Anaconda, Postman, Git, Github.

PROJECTS

1. Social Media Automation:
- Spearheaded the development of **automated processes for various social media platforms** including Facebook Marketplace, Facebook Groups, Instagram, Pinterest, Tumblr, Reddit, WhatsApp, and LinkedIn.
- Designed and implemented functionalities to mimic human interaction, including **liking, commenting, sharing, posting, direct messaging, enhancing user engagement, content distribution,** and more.
- Designed a session management system to **store login sessions in a database**, **automatically logging in with stored credentials and refreshing sessions as needed to maintain access.**
- Utilized Python scripting and libraries such as **Selenium, BeautifulSoup, and Blacksheep** for automated interactions with social media **APIs and web interfaces**, ensuring reliability and efficiency in operation.

2. AI Language-Learning Chatting App:

- Worked on an **AI project developing a language-learning chatting app** using the OpenAI API.
- Developed the backend with **Django**, incorporating **REST API**, **JWT authentication**, **social authentication** and a **payment gateway**.
- Implemented **subscription management** and integrated a payment gateway to handle transactions, ensuring a seamless user experience.
- Collaborated with a react-native developer for front-end development.
- Implemented chat storage in a **PostgreSQL** database.

3. HR Management System:
- Implemented **Admin panel manipulation for a Django-based** HR management system, enabling efficient management of employee data and workflows.
- Collaborated with the HR department to **incorporate daily working updates into the system**, facilitating seamless communication and task tracking.
- **Integrated Slack functionality into the HR system**, allowing managers to send updates directly from the platform for improved communication and collaboration.

- Enhanced **frontend responsiveness** to ensure optimal user experience across devices, utilizing CSS media queries and **JavaScript operations** for dynamic content rendering.
- Designed and implemented an **API** for interview booking slots, streamlining the scheduling process for candidates and HR staff.

EDUCATION

Central University of Science & Technology, Dhaka Bangladesh. (2019-2023)
B.S.c in Computer Science & Engineering
CGPA: 3.95

ACHIEVEMENTS

- CSE Fundamentals with Phitron
- Complete Web Development Course Programming Hero

EXTRACURRICULAR ACTIVITIES

- Served as the **Vice President** of the Central University of Science & Technology's **Programming Club**, where I coordinated networking events and coding workshops.
- **Led** a group of aspiring web developers in the CUST's **Web Development Club**, working on various web projects and learning sessions.

LANGUAGE

- Bangla - Native
- English - Comfortable