Mir Shahiduzzaman

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Professional Experience

Research Assistant, Fordham University, New York, NY   2/2021 - Present
- Conducting **Scrum meetings** to develop course recommendation tool with **Python** and **ML**
- Updating **user interface** with popups and tooltips, resulting in a 40% more user-friendly app
- Creating **unit tests** with Python to validate results after changes to code, reducing errors by 10%
- Building dynamic **documentation** site for tool, improving code comprehension by 65%

Graduate Assistant, Fordham University, New York, NY   7/2023 - 8/2023
- Lead office hours for college-level computer science class with **C++ programming language**, helping students understand material and complete assignments with 20% more efficient solutions
- Tracked student progress by **entering data** into **Google Sheets**, allowing me and team to **analyze data** and tailor lessons to address student needs, improving class average on assignments by 15%
- Delivered materials to class to accommodate students, leading to 10% smoother class sessions

Tech Fellow, MakerState, New York, NY   9/2021 - 6/2023
- Lead 30 students in programming with **Python** and **JavaScript** to work with robots, improving student competency in software development by 90%
- Presented new **APIs** and software to development team, enhancing their business model by 15%
- Scheduled **daily meetings** with clients to review lessons, receive feedback, and **produce reports** for managers, allowing for relevant class sessions and increasing client retention rate by 10%

Software Projects

[AllTogether Chat App](#)
- Developed messaging app connecting user clients with Chat Engine server using **NextJS**, creating a minimal latency experience navigating between pages and messaging other users
- Added account creation using Chat Engine **API**, enhancing privacy and personalization by 60%
- Designed **user interface** with **CSS**, allowing users to manage chats and settings 10% more easily

[Foodly Recipe App](#)
- Created **Kotlin** app for users to search and save any recipe from a database using its **API**
- Designed a personalized system recognized by CodePath as top 5 among 50 **team** submissions
- Added user login to allow **data persistence** across devices, enhancing user experience by 20%
- Designed **flowchart** displaying app navigation and functionality, improving collaboration by 20%

[PyCasts Content Aggregator](#)
- Incorporated **django-apscheduler** to **automate** custom commands on a personalized schedule, ensuring podcasts are up-to-date while keeping a minimal job history length
- Used **feedparser** to **parse** RSS feeds and display information in 60% more readable format
- Added **unit tests** for **Django** app, allowing developers to **debug** app 30% more effectively

Core Qualifications

- Proficient: Python, Java, SQL, HTML, CSS, JavaScript, Kotlin, C++
- Familiar: ReactJS, NodeJS, NextJS
- GitHub, Bash, Linux, Docker
- MS Excel, Word, PowerPoint
- Team Player, Self-Motivated

- Visual Studio, Eclipse, Jupyter Notebook, NotePad++, Android Studio
- Strong Verbal \ Written Communication
- Manage Time and Deadlines
- Adaptability and Flexibility
- Problem Solving

Education

Fordham University, New York, NY   8/2019 - 2/2023
Bachelor of Science in Computer Science, Minor in Mathematics, GPA: 3.6
- **Classes**: Algorithms, Data Structures, Data Mining, Data Communications and Networks, Database Systems, Operating Systems, Computer Organization, Computer Forensics