SHABAB HUSSAIN

GitHub | LinkedIn | Portfolio | smhussain5@proton.me | (845) 772-0156 | Amarillo, TX

PROFESSIONAL SUMMARY

I am a full-stack software engineer specializing in Python with a proven track record of developing and implementing successful web applications for clients. I am a dedicated learner with a passion for mentorship who is looking to bring my skills to companies with a global reach that share similar values.

SKILLS

- **Languages:** JavaScript | Python | Rust
- **Front-End:** Bootstrap | CSS3 | HTML5 | React | Tailwind CSS
- **Back-End:** Flask | Django | Django REST Framework | Node.js | REST API
- **Deployment:** Heroku | Netlify
- **Other:** Docker | Git | GitHub | SwaggerUI

PROJECTS

DocFinder [GitHub | Live Site]   **Full-Stack Application**

Technologies: Bootstrap, Django, Heroku, PostgreSQL, Python
- Developed a full-stack application using Django and PostgreSQL where patients can search for physicians in various locations/specialties, view physician biographies, and check if physicians are accepting their insurance or accepting new patients
- Integrated functionality for authorized users to add new physicians or delete/edit existing physicians
- Implemented user authentication/authorization and registration to improve application security
- Designed a responsive layout using Bootstrap to provide improved mobile experience

ICD-10 API [GitHub | Live Site | API Documentation]   **Full-Stack Application**

Technologies: Django, Django-REST-Framework, Heroku, JavaScript, PostgreSQL, Python, SwaggerUI
- Developed a REST API that extracts resources from a PostgreSQL database to provide clients with International Classification of Diseases (ICD) codes, diagnostic categories, and diagnoses using Django-REST-Framework's browsable API
- Applied search, sorting, and pagination to provide users with more specific resources
- Implemented user authentication/authorization to improve application security

Flasky Chat [GitHub | Live Site]   **Full-Stack Application**

Technologies: Bootstrap, Flask, Flask-SocketIO, JavaScript, Python
- Developed a real-time chat application using Flask and Flask-SocketIO where users can create chat-rooms or join existing chat-rooms with their unique room code
- Improved functionality via end-user testing feedback to provide users with a more intuitive and streamlined experience
- Designed a responsive layout using Bootstrap to provide improved mobile experience

EXPERIENCE

Administrative Assistant   **June 2020 - August 2020**

Texas Tech University Health Sciences Center Department of Surgery

Technologies: Matplotlib, NumPy, Pandas, Python, Sublime IDE, Tkinter
- Developed an analytic program to evaluate fiscal year data, reducing analysis of ~2,500,000 data cells to < 2 minutes
- Demonstrated program features to 35 executive leaders during the annual business development meeting
  - As a result, corresponded with TTUHSC's Department of Obstetrics/Gynecology to discuss how Python could be implemented for their strategic needs

Graduate Teaching Assistant   **August 2018 - May 2019**
Texas Tech University Health Sciences Center School of Medicine
Technologies: Adobe Captivate, Google Sheets, JavaScript
- Collaborated with faculty to launch interactive learning modules used by ~25% of first-year medical students
- Expanded education curriculum by coordinating with faculty and physicians to develop written protocols for medical student practice via training mannequins
- Coordinated with faculty and fellow teaching assistants to guide medical students in proper dissection technique, achieving an overall evaluation score of 4.5/5.0
- Organized and led biweekly lecture review sessions for medical students over 9 consecutive months, achieving 50-75% attendance rate

COMMUNITY AND LEADERSHIP

JavaScript/React Mentor, Code the Dream   **February 2024 - Present**
- Educate adult learners in effective application of JavaScript and React through personalized 1:1 mentor sessions and group sessions of up to 10 students
- Responsible for asynchronous code review of 3 students' weekly assignments
- Prepared and presented a lesson on web-scraping to adult learners via an interactive learning session to foster an advanced understanding of web development and best practices

Contributor, Virtual Coffee   **January 2024 - Present**
- Engaged in bi-weekly software engineering forums, discussing various topics with 5-10 industry professionals per session
- Generated comprehensive meeting notes to summarize key discussion points, articles, and resources

Contributor, Devs Discuss   **December 2023 - Present**
- Organized and led weekly meetings for junior developers on topics including Docker, linting/testing, web-scraping, error handling, test-driven development (TDD) with 5 entry-level developers per session
- Researched and distributed resources for members on topics including interview preparation, resume improvements, technical tutorials, and job-market trends

EDUCATION

Master of Business Administration, Health Organization Management   **August 2020**
Texas Tech University Rawls College of Business
GPA: 3.92/4.00

Master of Science, Biomedical Sciences   **May 2019**
Texas Tech University Health Sciences Center
GPA: 3.67/4.00

Bachelor of Engineering, Biomedical Engineering   **May 2017**
Stony Brook University
GPA: 3.22/4.00