

ASRAR FAROOQ

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Skills

Programming Languages: JavaScript, HTML5, CSS3, Python, C/C++, C#, PHP

Web Development: ReactJS, Next.js, Node.js, Django, .NET, jQuery, Laravel, Drupal, Tailwind CSS

Databases: MySQL, MongoDB, SQLite

DevOps & Cloud: Git, GitHub, GitLab, BitBucket, Vercel, Netlify, Docker, Nginx

Development Methodologies: Agile, CI/CD, Object-Oriented Programming (OOP), SEO

IT and Digital Tools: ServiceNow, VMWare, Citrix, Jira, Splunk, Zenoss, Confluence

Soft Skills: Teamwork, Problem-Solving, Adaptability, Leadership, Critical Thinking, Conflict Resolution

Experience

Stowers Institute for Medical Research

May 2024 – Present

Computational Researcher

Kansas City, MO

- Developing full stack bioinformatics tools using MERN stack for re-running and integrating experimental samples.
- Revamped Bioreports tool with Django and Python to automate report creation, reducing analyst workload.
- Automated pipelines that cut manual analysis and report generation time from days to minutes.

University Academic Support Centers - KU

February 2022 – July 2024

Web Developer

Lawrence, KS

- Designed and optimized websites for various centers, achieving more than **300,000** page views.
- Launched Wingspan KU, a new center to better serve students and faculty in writing and learning.
- Ensured WCAG 2.0 and Section 508 compliance for UASC websites.

Paycom Software, Inc.

May 2023 – August 2023

Software Development Intern

OK City, Oklahoma

- Streamlined employee referral process with QR codes by creating auto-completed Referral feature.
- Developed a unified solution for referral tracking and sharing for over **6000** employees.
- Provided exportable referral data for employee and client-side reporting.

KU Information Technology

April 2021 – February 2022

Full Stack Developer

Lawrence, KS

- Spearheaded the migration of **800** university websites to a new CMS system, impacting more than **30,000** students.
- Collaborated in the design, development, and deployment of websites for diverse departments.
- Provided comprehensive training and support for campus staff in utilizing the campus CMS (Drupal).

Education

University of Kansas

August 2020 – May 2024

Bachelor of Science in Computer Science

Lawrence, KS

GPA: 3.8, Dean's Honor Roll, Full Tuition Scholarship, GAP w/ Distinction, & Tradition of Excellence Award 2022

Projects

Kalamity | *ReactJS, Netlify, API's (EONET, USGS, GoogleMaps)*

Spring 2024

- Developed a real-time disaster tracking web app leveraging EONET and USGS data to map natural disasters with geo-location, alerts, and safe routes for users worldwide.

Mapalyze | *ReactJS, C#, .NET, Tailwind CSS, MySQL, Azure*

Fall 2023

- Developed a floor plan conversion application transforming 2D floor plan images into dynamic 3D models, enhancing spatial visualization and providing indoor navigation features.

Codathon - Paycom | *ReactJS, C#, .NET, MySQL*

Summer 2023

- Created a weekly challenge tool for developers using LDAP authentication in a 48-hour team project.
- Built an admin panel for CRUD challenges, submission review, and winner selections.

KUbeSat | *C, Python*

Spring 2023

- Collaborated on a student-faculty project to build cube satellites for aerospace research, focusing on the Attitude Determination (ADCS) subsystem for satellite stabilization and precise mission pointing.