MEHRAN AKBAR

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Gulrez Housing Society, Islamabad, Pakistan

PROFESSIONAL SUMMARY:

Skilled professional with a BS in Electrical Engineering and over 2.5 years of experience in web development. Strong foundation in problem-solving, system design, and technical analysis. Proven ability to apply engineering principles across different fields, including software development and electrical systems. Adept at working with teams to deliver high-quality projects on time, focusing on efficiency and innovation in hardware and software solutions.

KEY EXPERTISE

- C++ programming
- Python
- Django & Django Rest Framework
- Flask
- HTML
- CSS, Bootstrap and Tailwind
- JavaScript, jQuery
- GitHub
- React
- Web Scrapping
- Automation
- Machine Learning

KEY ACHIEVEMENTS

- Promoted from intern to senior web developer within first year due to strong performance and dedication.
- Delivered multiple web development projects that are still running smoothly and supporting business operations.
- Secured third place in my final year project, ranking among the top in the Electrical Engineering department.
- Led cross-functional teams on complex web projects, mentoring junior developers and collaborating with designers and backend engineers to deliver results on time.

PROFESSIONAL EXPERIENCE

FalconXoft Software House   Nov 2022 - Sep 2024
Senior Web Developer

- Led multiple company projects as a Senior Web Developer, driving updates and enhancements to existing systems.
- Actively participating in project planning and decision-making processes, contributing to the successful completion of team objectives.
- Mentored junior developers, providing guidance and support to facilitate their professional growth and development.

FalconXoft Software House   Jun 2022 - Oct 2022
Junior Web Developer

- Worked on multiple projects as a Junior Developer, fixing bugs and making updates to improve how they work.
- Developed new projects from the ground up, showing problem-solving skills and creativity.

FalconXoft Software House   Mar 2022 - May 2022
Internee

- Learned and practiced new skills as an intern by working on small projects.
- Mainly focused on improving design in front-end development.
- Actively seek opportunities to learn and grow.

PROJECTS

Final Year Project | Electrical Engineering Department

Designed an automated vehicle entry and exit security system for the university to replace the manual ID verification process for drivers. The system enhanced security by digitally scanning ID cards and recognizing vehicle registration numbers. This system ensured smoother traffic flow, enhanced security, and eliminated the restriction of entering and exiting through the same gate.

Key project features included:

- **Technology Stack:** Developed on Raspberry Pi with Python as the primary language.
- **QR Scanning & OCR:** Integrated a QR code scanner in Python for ID verification and implemented license plate recognition using OCR with Pytesseract.
- **Data Management:** Automated storage of vehicle and ID data in a secure database for easy access and tracking.

Simplefirm (https://react-dev.simplefirm.com/)

Simplefirm is a U.S.-based platform designed to streamline case and client management for law firms and attorneys, enhancing efficiency and organization.

Contribution:
- Integrated front-end components with the back-end.
- Identified and resolved design bugs to improve user experience and interface consistency.
- Developed and implemented new features based on client requirements.
- Led the migration of the front-end from Django's MVT architecture to React, while using Django REST Framework for the backend, significantly improving scalability and performance.
- Served as the lead developer during the migration to React, guiding a team through the process and ensuring a smooth transition.

Circledin (link)

CircledIn is a platform based in USA that lets users create and join family plans to take advantage of the group discounts on Cell Phone Plans and Streaming Services.

Contribution:
- Improved the Stripe payment gateway by using the latest Stripe Elements, making the checkout process smoother and more user-friendly.
- Worked on implementing new design updates to refresh the user interface and improve usability.
- Developed new features that allow users to select add-ons along with their mobile plans for a more customized experience.
- Integrated Stripe Connect to enable seamless payment distribution between users and the platform.

AmrapTv (https://app.amraptv.com/home/)

AmrapTv is a video streaming platform, similar to YouTube, but focused on a specific niche. It uses the YouTube API to fetch and display videos related to that niche.

Contribution:
- Developed the core functionality of the platform, laying the foundation for a niche-specific video streaming site.
- Integrated the YouTube API to fetch and display videos related to the chosen niche.
- Designed and implemented the database structure to store and manage relevant video metadata efficiently.

Badrudeen Mosque (https://badrudeen.net/)

Badrudeen is a platform developed for a mosque in the USA, designed to display upcoming events and scheduled classes for the community. It also provides users with a convenient and secure way to make donations to the mosque directly through the site.

Contribution:
- Developed the platform from scratch, based on Figma designs provided by the client, and implemented the front end using Tailwind CSS for a responsive and modern user interface.
- Integrated the Stripe payment gateway, allowing users to make one-time, monthly, or quarterly donations securely.
- Integrated a prayer time API to fetch and display the latest prayer schedules specific to the USA.
- Developed user registration functionality, enabling users to easily sign up for classes and events hosted by the mosque.

EDUCATION

Bachelor of Electrical & Electronics Engineering
2017-2021
International Islamic University, Islamabad, Pakistan

LANGUAGES

- Uudu
- English