Adnan Siddavatam

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Professional Profile

Results-driven and adaptable professional with a passion for technology and a proven track record of both academic and practical achievements. Currently in my second year pursuing a Software Development diploma at the Southern Alberta Institute of Technology. I am keen to apply my education and experience towards launching a successful career in the Software Development field, contributing innovative solutions, and driving technological advancements.

Education

Software Development   **September 2022 –Present**
- Southern Alberta Institute of Technology (Calgary, AB)
- Anticipated graduation, April 2024

Bachelor of Arts, Multidisciplinary Studies   **September 2016 – April 2021**
- Primary focus in Economics
- Secondary focus in Chemistry
- University of Calgary (Calgary, AB)

Projects

Hammerhead Energy Petrophysics Analysis Tool – Lead Developer   **September 2023 – Present**
- Spearheaded the development of a sophisticated petrophysics analysis tool for Hammerhead Energy to facilitate advanced well data interpretation.
- Crafted a solution using Python, PyQt5, and Vispy, delivering a highly interactive and visual data analysis experience.
- Automated the import of well data from LAS files, enabling efficient handling and processing of complex geological datasets.
- Created an intuitive graphical user interface, maximizing user accessibility and operational efficiency, while ensuring precise data analysis capabilities.
- Worked in tandem with a multidisciplinary team to tailor the tool to the unique requirements of the oil and gas industry, guaranteeing its practical utility and accuracy.
- Oversaw the project from its inception to completion, showcasing proficiency in software engineering, project leadership, and domain-specific solution development.

S-Help: Anonymously Supportive Platform – Sait HACK Hackathon   **December 2023**
- Created a web application called "S-Help" as part of the SAIT HACK Hackathon aimed at supporting SAIT students by providing a platform to anonymously post academic and mental health concerns.
- Utilized Next.js for the front-end development, enabling an intuitive and responsive user interface.
- Implemented Google Firebase to secure user authentication and data storage, ensuring user privacy and data integrity.
- Integrated the DiceBear API to generate random avatar images for users, enhancing anonymity while personalizing user profiles.
- Collaborated with a team of developers to design and develop the platform within a challenging 24-hour timeframe.

Telegram Bot for Copyscape Integration   **February 2023**
- Engineered a Telegram bot using Python to enable real-time content originality checks via Copyscape, demonstrating proficiency in bot development and API integration.
- Leveraged asynchronous programming to enhance bot responsiveness, employing asyncio and ThreadPoolExecutor for efficient task management.
- Designed an intuitive user interface with command handlers for seamless user interactions, alongside robust URL validation to ensure operational accuracy.
- Implemented advanced logging and error handling strategies, ensuring comprehensive monitoring and reliable user feedback mechanisms.
- Coordinated the full development cycle, from conceptual design to deployment, showcasing project management skills and a commitment to delivering user-centric solutions.

Google Search Telegram Bot   **March 2023**
- Developed a Telegram bot facilitating Google searches directly through chat, utilizing Python and the SerpApi for real-time search result retrieval.
- Integrated a user-friendly command interface enabling users to perform Google searches and receive top results within the Telegram environment.
- Implemented robust logging to track bot interactions and searches, aiding in the monitoring and troubleshooting of the bot's performance.
- Ensured the bot's reliability and user satisfaction by handling HTTP responses and errors effectively, providing clear feedback to users.
- Managed the bot's lifecycle from development to deployment, demonstrating skills in API integration, and bot maintenance.

Volunteer Experience

Tutor – Golden Mti   **September 2020 – April 2021**
- Demonstrated problem solving skills to teach students from grades 1-12 effective study habits and prepare them for tests and assignments.

Global Energy Show   **June 2023**
- Demonstrated strong interpersonal skills in engaging with attendees and addressing their needs.
- Managed A/V setup and coordination for speakers, ensuring smooth presentation delivery.
- Demonstrated strong interpersonal skills in engaging with attendees and addressing their needs.

Technical Skills & Abilities

- Software Tools: Oracle, Figma, GitHub/Azure, Google Firebase, VMWare, Oracle VM VirtualBox
- Proficiency in Microsoft tools
- Programming Languages: SQL, Python, C#, HTML, Java, JavaScript, CSS, React
- Self-motivated professional with the ability to multitask, prioritize and communicate progress in a challenging environment

- Strong grasp of software development methodologies and best practices.
- Excellent analytical and problem-solving skills.
- Actively supports team success, consistently exceeding targets through collaborative efforts.
- Experience working with users to understand, document and develop solutions that meet requirements.