Zeeshan Virani

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EDUCATION

Texas A&M University, College Station, Texas   December 2022
Bachelor of Science in Computer Engineering, Electrical
- GPA: 3.8
- Organizations: Theta Tau, Institute for Electrical and Electronics Engineers, Robotics and Automation Society

EXPERIENCE

Undergraduate Researcher, Texas A&M University; College Station, Texas   August 2021 - Present
- Evaluates various methods of Hidden Markov Models using Python to determine character emotions
- Collaborates with team members to efficiently distribute tasks for each sprint on a biweekly basis
- Developed a user-friendly frontend interface in React to create an interactive story telling program

Software Engineer Intern, Midtronics; Willowbrook, Illinois   June 2022 - August 2022
- Integrated a Kotlin based communication library to handle calls between products and web services using Retrofit leading to an increase in performance by 12% and improved development scalability
- Performed unit testing of newly implemented libraries resulting in the creation of over 200 new unit tests
- Deployed and maintained product releases using a combination of Artifactory, Jenkins, and BitBucket
- Contributed in weekly scrum meetings to plan and design strategies for refactoring legacy code

Head of Operations, San Antonio Jamatkhana Religious Education Center   October 2020 - May 2021
- Communicated with parents to efficiently allow for virtual instruction of materials over Zoom to students
- Planned 12 weekly projects allowing children to interact with fellow peers to improve teamwork skills
- Conducted parent teacher conferences every month leading to an increase in parental involvement by 20%

Sales Associate, Office Depot; San Antonio, Texas   September 2018 - January 2020
- Operated a point-of-sale system involving over 100 cash and credit card transactions daily totaling over $10000
- Interacted with customers to determine personal needs leading to a 15% growth in subscription sales
- Trained new team members in various sales techniques and handled dividing day-to-day operations
- Performed high quality repairs of customer electronic devices with warranties to increase retention rates

PROJECTS

Perfect Pour Over Coffee Maker   January 2022 - Present
- Built an Android application in Java allowing users to control a smart coffee maker over Bluetooth
- Integrated Google Firebase for user authentication to provide secure login access to other app functionalities
- Collected and stored brewing data on a cloud-based MySQL server for use in machine learning algorithms

CryptoWorld, https://crypto-education.herokuapp.com/   August 2021 - December 2021
- Constructed a refined frontend application utilizing Bootstrap to display graphical analysis on cryptocurrencies
- Built a backend framework in Flask using web scraping and financial libraries to gather data on various markets
- Utilized third party API integrations such as CoinCap, HighCharts, and NewsAPI

SKILLS

Technical Skills: Computer Architecture, Data Structures and Algorithms, Linux, Windows, Mac OS, Scrum and Agile Methodologies, FPGA, Microcontroller Programming, Silicon Design, Microsoft Excel
Computer Languages: Python, Java, C++, HTML, CSS, JavaScript, SQL, PostgreSQL, Git, Verilog, Assembly
Languages: Fluent in Hindi, Urdu, and Gujrati. Basic Knowledge of Spanish and Arabic