

ANUSAANTH SIVAKUMARAN



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EDUCATION

HONOURS BACHELOR OF COMPUTER SCIENCE

Wilfrid Laurier University (Waterloo)

Sept 2018 – April 2023

HONOURS BACHELOR OF BUSINESS ADMINISTRATION

Wilfrid Laurier University (Waterloo)

Sept 2018 – April 2023

TECHNICAL SKILLS

LANGUAGES:

PYTHON, JAVA, C#, JAVASCRIPT, HTML, CSS, SQL, JAVASCRIPT, TYPESCRIPT, RUBY

FRAMEWORKS:

REACT, ANGULAR, NODE.JS, SPRINGBOOT, FLASK, FLBOOTSTRAP, EXPRESS.JS, DJANGO, RUBY ON RAILS

TOOLS:

Linux, Docker, Git, Jenkins, MonogoDB, MYSQL, PyTest, TENSORFLOW, APACHE KAFKA

RELEVANT COURSES:

OBJECT ORIENTED PROGRAMMING, DATA STRUCTURES, DATABASES, ALGORITHM DESIGN/ANALYSIS I, OPERATING SYSTEMS, CRYPTOGRAPHY, COMPUTER SECURITY, SOFTWARE ENGINEERING

AWARDS:

LAURIER INTEGRATED CASE COMPETITION WINNER

HOBBIES:

CODING PERSONAL PROJECTS, GAMING AND GAME DEVELOPMENT, TECH ENTHUSIAST, OPEN-SOURCE CONTRIBUTIONS, READING TECH BLOGS/BOOKS

HIGHLIGHT OF QUALIFICATIONS

- Double-Degree Mastery: Honours Bachelor's in Computer Science and Business Administration, offering a unique blend of technical and business expertise.
- Software Integration Pro: Proficient in software development, skilled at developing dynamic user experiences and successfully completed 15+ number of projects efficiently and on time
- Proactive Troubleshooter: Conducted regular software assessments, ensuring uninterrupted performance, and quality while verifying end user criteria's are being met

WORK EXPERIENCES

SOFTWARE ENGINEER

TechZenik / January 2021-January 2022

- Engineered and seamlessly integrated a Unity WebGL game, implementing custom server-side scripts and APIs to dynamically update and monitor player performance metrics.
- Actively engaged in scrum meetings with fellow developers, fostering effective teamwork to swiftly address and resolve critical service issues on time
- Implemented changes in strict accordance with established change management procedures.
- Led responsibility for Angular-based maintenance and enhancements on the company website, consistently ensuring its alignment with evolving business requirements
- Leveraged Django to develop and maintain RESTful APIs, providing robust back-end support for various software components, ensuring data integrity and efficient communication.
- Collaborated with the Quality Assurance team to develop and implement rigorous unit tests in Java, ensuring comprehensive testing and quality assurance checks on software updates for a bug-free and seamless user experience.

TECHNICAL SUPPORT SPECIALIST

Modatek Systems / May 2019-August 2019

- Leveraged advanced technical skills to operate cutting-edge machinery, contributing to the production of precision automotive components for leaders like Ford, Chevrolet, and Tesla.
- Extensive testing and fine-tuning procedures were performed on units to make sure they complied with strict performance requirements and upheld the highest standards of quality.
- Developed thorough reports describing identified problems and the corresponding remedial measures taken, contributing to a systematic record-keeping process.
- Improved the customer service experience by giving clients exceptional support, actively assisting with difficult inquiries, and providing team members with guidance when they are dealing with complex technical problems.

PROJECTS

PASSWORD CRAKER

- Developed numerous transpositional, polyalphabetic, and monoalphabetic ciphers using a key to encrypt and decrypt messages
- Prioritized algorithm efficiency and complexity to ensure robust encryption and decryption
- Designed an intuitive and user-friendly interface, enhancing accessibility and usability of the password cracker tool for a wide range of users

AIRBNB PRICE ADVISOR

- Created a cutting-edge machine learning model using Python and libraries like Pandas, NumPy, and Scikit-learn to accurately forecast Airbnb rental prices in various European countries, utilizing a comprehensive dataset and regression techniques.
- Employed methods, including linear and ridge regression, along with random forest regression, to create a precise predictive model for Airbnb pricing
- Demonstrated proficiency in optimizing data quality and identifying key factors influencing Airbnb pricing, providing valuable insights for hosts and travelers

2D GAME DEVELOPMENT AND DESIGN

- Utilized modern frontend technologies like React and UX design principles to create two engaging single-player games with dynamic user interfaces.
- Collaborated within a team to integrate frontend and backend technologies, implementing a Node.js backend with web sockets and MongoDB for data storage to save player progress.

IMAGESOLVER: THE PROBLEM-SOLVING APP

- Leveraged the Google Vision API to develop an Android app that enables users to capture images of physics problems, and seamlessly solves several physics equations based on these images, demonstrating practical utility in complex problem-solving.