Anish Dhandore

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EDUCATION

California State University San Marcos   San Marcos, CA

Bachelor of Science – Computer Science (Dec. 2023), M.S Computer Science (Expected – Dec. 2025)

Awards: Dean's List: Fall 2020, Fall 2021 & Spring 2022

Relevant Coursework: Computer Science I & II (C++), Assembly and Digital Circuits (MIPS), Data Structures & Algorithms, Introduction to Networking, Theory of Computing, Blockchain Technology, Data Science

TECHNICAL SKILLS

Programming Languages: C++, Python, C#, SQL, JavaScript, HTML, CSS

Frameworks: .NET, React, Django, Flask

Databases: MongoDB, SQL

Tools: Visual Studio, Git/GitHub, Android Studio, Firebase, REST API, AWS, Flutter

EXPERIENCE

Wireless Test Engineer – SGS North America   *Feb. 2025 – Present*
- Conduct RF testing, compliance verification, and EMI/EMC evaluations for 5G, LTE, and other wireless technologies, ensuring adherence to regulatory standards (FCC, CE) using spectrum analyzers, network analyzers, and anechoic chambers.
- Analyze test data, generate technical reports, and collaborate with engineers to troubleshoot RF performance issues, optimize test methodologies, and support device certification for 5G and LTE networks.

Developer – Swift Tech   *Mar. 2023 – May 2023*
- Spearheaded the development of cutting-edge tools to meticulously monitor users' NFT progress within our app, leveraging React and Chakra UI for optimal user experience.
- Drove innovation on the front end of the company website by architecting a robust system to generate raffles for giveaways using React, Chakra UI, and Figma, enhancing user engagement and interaction.
- Orchestrated weekly team meetings to strategize and discuss the implementation of various tools, ensuring alignment with project timelines and objectives.

President – Google Developer Student Clubs   *Jan. 2022 – Aug. 2024*
- Pioneered the introduction of students to Python GUI development, utilizing the Tkinter library, cultivating a hands-on learning environment and fostering interest in advanced programming concepts.
- Facilitated and hosted dynamic workshops on foundational HTML and CSS properties, as well as web development frameworks like Flask and Django, empowering students to acquire practical skills for the evolving tech landscape.

STEM Tutor - CSUSM STEM Success Center   *Aug. 2021 – Dec. 2022*
- Mentored students in the fundamentals of programming and object-oriented programming in the C++ language, elevating their understanding and proficiency in coding practices.
- Guided students in developing a diverse problem-solving mindset, encouraging critical thinking and reasoning approaches when tackling complex problem statements.

PROJECTS

Soccer Match Predictions   *Dec. 2022*
- Engineered a cutting-edge machine learning model to predict top-performing football teams globally, leveraging a comprehensive dataset sourced from Kaggle encompassing the last two decades of match history.
- Employed advanced data cleaning techniques and outlier detection using Python, establishing a robust foundation for accurate predictions.
- Applied linear regression methodology and visualized insights through dynamic graphs using Matplotlib, culminating in a predictive model showcasing a mean absolute error (MAE) of 31.97 and a root mean squared error (RMSE) of 39.72—indicating a highly reliable framework for future match outcome predictions. (Link - Soccer)

G Codes   *Mar. 2022*
- Delved into the intricate world of programming language creation, gaining profound insights into the compilation of formal grammar into language-specific libraries.
- Developed an innovative programming language, G Code, with a visual representation of a turtle's movement on the canvas post-execution. Utilized ANTLR as a primary tool for generating lexer, parser, and visitor files based on the defined grammar. (Link – G Codes).

Preserving Paws – ST Hacks 2021 (Best Community Award)   *Jan. 2021*
- Conceptualized and developed a community-centric web application catering to dog enthusiasts. Implemented a creative tool utilizing the Wolfram Alpha API to provide detailed information about diverse dog breeds.
- Instituted user-friendly features such as automated email responses, delivering prompt assistance to users seeking urgent help for their dogs.
- Proficiently integrated databases (SQLite), implemented user authentication using Django, and conducted data extraction utilizing the Beautiful Soup Library in Python. (Link – Preserving Paws)