

Ujval Prajapati

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Education

- **Arizona State University (GPA 4.22/4.00)** Tempe, USA
Masters of Science in Information Technology August 2022 - May 2024
Courses: Analyzing Big Data, Info Systems Development, Software Quality Assurance and Testing, Data Structure and Algorithms, Data Visualization, Advance Big Data Analytics, Natural Lang Processing for IT, Cloud Architecture Info Tech, Data in the Cloud Info Tech, Cloud Security and Ops for IT, Cloud Computing
- **Adani Insititute of Infrastructure Engineering (CGPA: 9.49/10)** Ahmedabad, India
Bachelor of Technology - Information & Communication Technology June 2018 - June 2022
Courses: Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases, Software Engineering, Database Management Systems, Augment Reality(AR), IOT(Internet of Things)

Skills Summary

- **Languages:** JAVA, DART, C, JavaScript, SQL, XML, Python, CSharp, CSS, Swift, HTML, C#
- **Frameworks:** Flutter, ReactJS, React NativeJS, NodeJS, Cupertino Widgets, Angular, FullStack, VUE, front-end, System Design, Azure, AWS, CI/CD, DevOps, Kubernetes, Docker,
- **Tools:** Unity, Blender, Rviz, Gazebo, MongoDB, Android Studio, Unreal Engine, Tableau
- **Soft Skills:** Leadership, Event Management, Writing, Public Speaking, Time Management, Budgeting, Salesforce

Experience

- **Dreamscape Learn (Meteor Studio)**
Software Developer Tempe, USA August 2023 - Present
 - Working on a dreamscape infrastructure project, in collaboration with Dreamscape Flow to develop new content and experiences for its virtual reality platform.
 - Devised XR immersive classroom simulations and features. These simulations can be interacted with by students, encouraging practical learning design. Conducted user testing and iterative design improvements to enhance the overall user experience. Working with CSharp, .NET, and Android Studio to develop applications that can work on different platforms
- **Arizona State University Drone Studio**
Python Developer Tempe, USA October 2022 - August 2023
 - Developed and integrated Python scripting solutions specifically tailored for DJI drones, enhancing flight control and data capture.
 - Leveraged optiTrack motion capture cameras for precise rigid body tracking, ensuring accurate drone positioning.
 - Utilized Motive software to optimize drone path planning, effectively eliminating collision risks and guaranteeing pinpoint arrival accuracy.
 - Pioneered drone programming techniques, commanding drones to follow predetermined paths using Python.
- **InnoventX**
Software Developer/Co-founder Ahmedabad/India September 2019 - January 2022
 - Led end-to-end development of web applications using the MERN stack, emphasizing responsive design and robust backend functionality.
 - Managed MongoDB databases and crafted dynamic user interfaces with React.js, ensuring efficient data operations.
 - Designed and integrated RESTful APIs using Express.js and Node.js, streamlining data communication.
 - Collaborated in an Agile environment, optimizing cloud deployments and achieving timely project milestones.

Projects

- **Warehouse Management (Python, Image Rendering, 3D modeling, MQTT, Communication, Networking):** In order to give the industry a fully automated warehouse and inventory management solution that can be monitored using a web-based platform, this project was generated employing a variety of technologies. It is a comprehensive simulation project with a variety of 3D models, including robot arms and inventory items. Technologies like Gazebo, Rviz, JS, and Python MQTT are utilized. (August 2020 - February 2021) **Project-Link**
- **Drone Controller (Android Studio, JAVA, XML, CSharp, Machine Learning):** Use an Android application to connect different unmanned vehicles (Drones, robots, and watercraft) to create a global AI-enabled architecture for autonomous robotic services. You gain access to the drone's cameras so that you can take pictures and videos for land surveillance. It was an internship project for a drone company named Vyoriur. (August 2021 - December 2021)