

# Arjit Avadhanam

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## WORK EXPERIENCE

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### Frontend Developer Intern - Baoiam Innovations Pvt Ltd

Feb 2024 - May 2024

- Built a fully integrated education platform website using HTML, CSS and JavaScript.
- Transformed UI/UX interfaces across all pages, styling for popups that boosted user satisfaction.
- Made the entire website responsive and modified the home page, bootcamp and courses page.

### Full Stack Web Developer Intern - Nayepankh Foundation

Nov 2023 - Dec 2023

- Built an entire donation website both frontend and backend.
- Developed a bot using botpress for assisting users on how to use the website.
- Created new feedback, review, and community pages using the MERN stack and garnered many positive reviews within the few months of launch.

## PROJECTS

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### Simulation of Drone in Different Terrains

- Developed various terrains like rural, urban and forest environments using Unity 3D.
- Imported a custom drone into the environments using Blender and implemented manual and autonomous navigations to it.
- Integrated MATLAB with unity and plotted various paths that the drone has taken while reaching its destination and implemented obstacle avoidance algorithm to the drone

### Vehicle Number Plate Recognition System

- Collected dataset from Kaggle, and implemented image acquisition and preprocessing.
- Employed feature extraction methodologies- Wavelet Transform and Gray Level Co-occurrence Matrix (GLCM), to extract meaningful patterns and information from the data.
- Implemented Feature Ranking using Sequential Forward Selection (SFS) and Random Forest Classifier.

### Clothing Brand Website - Ecommerce

[Link to Fashion Website](#)

- Developed a fully responsive e-commerce website for a fashion brand using MERN, aimed at providing an intuitive and seamless shopping experience.
- Created a clean and visually appealing UI/UX design using React.JS to enhance user engagement.
- Developed key features such as product listing, detailed product pages, and an interactive shopping cart and transferring entire data through MongoDB.

## EDUCATION

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2021 - present	B.Tech at <b>Indian Institute of Information Technology, SriCity</b>	(CGPA: 8.70/10)
2019 - 2021	Intermediate at <b>Sri Chaitanya Junior Kalasala, Hyderabad</b>	(Marks: 978/1000)
2018	Class 10th at <b>Sri Chaitanya Techno School, Hyderabad</b>	(CGPA: 10/10)

## SKILLS

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Programming Languages:	C++ (expert), C, Python (basic), MATLAB , Verilog HDL
Web Development Languages:	HTML, CSS and JavaScript, React, MongoDB, NodeJS, ExpressJS
Development Software:	VS Code, Jupyter Notebooks, Unity3D (expert)
Data Structures and Algorithms:	Using C++ (Intermediate)
Embedded Systems:	IOT with Arduino, ESP8266, Blynk, MIT App Inventor