



# MANIVELAN K

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📍 MADURAI

## About Me

Motivated and highly skilled individual seeking a challenging position that leverages my expertise in design and development. Proficient in conceiving and implementing innovative solutions, with a proven track record in project management and advanced software development. Eager to contribute my technical acumen to a dynamic team, driving excellence in design and technology implementation.

## Education

2021 - 2025

**VELAMMAL COLLEGE OF ENGINEERING AND TECHNOLOGY**

B.TECH ( Information Technology )

pursuing III year

2019 - 2021

**THIAGARAJAR MODEL HIGHER SECONDARY SCHOOL**

HSC

completed with 93 %

2014 - 2019

**THIAGARAJAR MODEL HIGHER SECONDARY SCHOOL**

SSLC

completed with 94 %

## Internship

Dec 2022 - Jan 2023

**Graspear Solutions Private Limited**

Web Development

Acquired practical skills in website development, plugin integration, and project management, demonstrating proficiency in web development technologies.

## Projects & Publication

### Homify - Home Service App

Homify, a booking application for high-level home services. The app was built using React Native for front-end development and Expo for running the app. Hygraph was utilized as the backend for booking services. This project highlights the user's expertise in mobile app development, front-end design, and integrating backend services to create a seamless user experience.

### Autonomous Subsurface Exploration and Extraction

#### System: Robotic Arm-Assisted Borewell Rescue Initiative

Innovated robotic system for borewell rescues featuring integrated arm, hook, vacuum pump, and Lidar sensors for real-time 3D mapping. Gas detectors ensure continuous environmental monitoring, enhancing safety and efficiency in rescue operations.

<https://doi.org/10.1109/INCOS59338.2024.10527767>

### Churn Predication - data Analytics

Led churn analysis project in telecom sector utilizing advanced data exploration, analysis, and machine learning algorithms for predictive modeling, contributing to business retention strategies.

## Technical Stack

### Application Development

React Native

### UI / Ux Designing

Figma

### Graphic designing

Canva

## Certifications

**Google UX Design Professional** - GOOGLE COURSERA

**Problem solving through programming in C (ELITE)** - NPTEL

**The joy of computing using Python (ELITE Silver)** - NPTEL

**Product Design & Job Simulation ( Virtual Intern )** - FORAGE

**Diploma certification** - Central Hindi Directorate - GOVT OF INDIA