

# PRAJWAL B AINAPUR

## EDUCATION

DOB: 05/07/1998

Course	Bachelor of Technology	12th Standard	10 <sup>th</sup> Standard
Institute	NIIT University	Velammal Matric Higher Secondary School	Velammal Matric Higher Secondary School
Marks (CGPA)	9.4/10	1113/1200	490/500

## TECHNICAL EXPERIENCE

### **Intern Trainee at UNO Minda – New Product Quality Engineering (NPQE) – June '16 to July '16**

Completed the project, "Standardization of existing Product Manufacturing", enabling the department for more efficient methodologies to process new products.

### **Intern Trainee at Nelcast Ltd. – June '17 to July '17**

Underwent training on Foundry automation using PLC systems and SCADA.

### **Microsoft Student Partner – 2017 - 2018**

Microsoft Student Partner for the academic year of 2017-2018.

### **Joint Secretary at Microsoft Innovation Center – NIIT University – August '16 to present**

Instructed in workshops for, "Arduino and SoC" and "Windows App Development", empowering the students with the utility of IOT and application development.

## ACADEMIC PROJECTS

### **ONGOING PROJECTS:** [Expected date of completion: December '17]

#### **Precision Farming**

A smart farming system using Image Processing and Machine Learning

#### **Accurate Navigation System based on Inter Vehicular Communication(IVC)**

A system integrated with the present GPS, where junctions are locally identified.

### **SUCCESSFULLY COMPLETED:**

#### **Modular design based Water Quality Monitoring System for Aquaculture and Fisheries**

A smart system to monitor water quality through the computer.

#### **HLIN Windows Application**

One to Many secure file sharing application using Geo-Fencing and SSID based security.

#### **PLoT Application**

A smart storage for organizations to avoid junk data.

#### **Accident Prevention System (APS) using Drivers Drowsiness Detector**

A device to alert the driver when he/she tends to fall asleep.

## AWARDS AND NOTABLE ACHEIVEMENTS:

### **Innovate Challenge: India–Department of Science and Technology of India and Texas Instruments**

Quarter Finalist with the water quality monitoring system project.

### **Smart India Hackathon 2017 – Category of Department of Defense Production**

One among the final two teams for a Cryptographic File Sharing System.

### **Microsoft Imagine Cup National Finalist 2016**

One among the Top 10 in India in the field of Innovation for the year 2016.

## CAPABILITIES

**Tools:** Visual Studio, Azure Cloud, MATLAB, Model Sim.

**Hardware:** Arduino, MSP 430xx, Raspberry Pi3, CC3200, 8051 architecture-based systems.

**Languages:** C, C++, C#, Java(Hadoop), Python(Image Processing), XAML, CSS.

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### Declaration:

I hereby declare that all the above-mentioned details are correct to the best of my knowledge.