Prajwal B Ainapur
STREAM: B.Tech. ECE
SPECIALISATION: Data Science
Date of Birth: 05/07/1998

Phone: +91 – 7023836401
Email: mailto:prajwalainapur@gmail.com
Portfolio: https://prajwalainapur.github.io
GitHub: https://github.com/prajwalainapur

Education

2013	Velammal Matric Higher Secondary School 10th (SSLC)	98%
2015	Velammal Matric Higher Secondary School 12th (HSC)	92.7%
2015-19	NIIT University Bachelor of Technology, Electronics and Communication Engineering	9.45/10

Internships

Jun-Jul'16

Intern, UNO Minda

- Completed the project, "Standardisation of Product Manufacturing"
- Enabled the department in reducing the lean time in manufacturing new products.

Jun-Jul'17

Intern Trainee, Nelcast

- Underwent training on Foundry Automation using PLC systems (Siemens 7)
- Trained on SAP implementation and management (PP, MM, QM).

Projects

Sept'15-Mar'16

HLIN *(Microsoft Imagine Cup)*

- Made a One to many file sharing application using Geo-Fencing and Hardware access restriction.
- This was one of the top 10 projects in Microsoft Imagine Cup – India in 2016 for Innovation Category.

Dec'16-Apr'17

PLoT *(Smart India Hackathon)*

- A smart storage application for organisation to avoid redundant duplication of attachments, by using vector mapping.
- One of the final two teams for the cryptographic file sharing system.

Jan-Jun'18

Pervasive Agriculture *(B. Tech. R&D project)*

- A smart farming system using machine learning (ARIMA model and K-NN) and image processing (field detection using satellite images for route mapping).
- This project aims at developing a predictive model to enable the farmers to earn more revenues with minimal inputs by guiding them over the best crop to grow.

Jan-Jun'18	**Emotion Recognition using Python** *(hobby project, 2018)* • A system to detect the eight basic emotions based on Principal Component Analysis (PCA) and Linear Discriminant Analysis (LDA) criteria. • The dataset for training and testing purposes were taken from Cohn-Kanade dataset as well as natural images from Google image search.
Aug'18-present	**Stock Market Prediction Model** *(B. Tech. Business Analytics)* • A model which utilizes statistical analysis of previous year data and the company's current fundamentals along with the sentimental analysis of the market to predict its future price.

Publications and Conferences

Feb' 2018	"An Analytical Study of Indian Currency Market." At International Conference on Economics and Finance, 2018 - BITS Pilani, Goa campus.
Sep' 2018	"Prediction based Smart Farming." At International Conference of Computer and Informatics Engineering, 2018 – Indonesia. This will also be published in the Journal of Physics by Institute of Physics (IOP) in the first quarter edition of 2019.

Technical Skills

Tools	Apache Hadoop, OpenCV, Scikit-learn, NS2, Visual Studio, Eclipse, Pymakr.
Hardware	STM32, Raspberry Pi3, TI CC3200, 8051 architecture-based systems.
Languages	Python, R, C, C++, Assembly, VHDL, C#.

Accreditations

Aug'16-May'17	• Secretary, Microsoft Innovation Centre
2016	• Microsoft Imagine Cup, National Finalist - 2016
2017-2018	• Microsoft Student Partner
2017	• Founding Chair. IEEE Student Chapter – NIIT University
Oct'17-present	• Student Product Developer, STMicroelectronics NV
Sept'17-present	• Project Co-Ordinator, NanoEL Project – Funded by Erasmus programme, EU.

Other Interests

- Debate and Public Speaking
- Classical Guitar – Grade 5 from Trinity School of Music, London