SRI VATSAV KUMAR, PATAPANCHALA

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SUMMARY

Graduate Student at ASU in Computer Science. I have experience as full stack developer for more than 1 year. Looking for full-time opportunities starting Fall 2022 related to Software Development Engineering.

EDUCATION

MS in Computer Science **Jan 2021 - Dec 2022**
Ira A. Fulton Schools of Engineering CGPA 4/4
Arizona State University, Tempe, AZ
Relevant Coursework: Distributed Database Systems, Statistical Machine Learning, Foundation of Algorithms, Data Mining, Artificial Intelligence, Info Assurance & Security.

B. Tech. in Electronics & Communication Engineering **July 2015 – May 2019**
IIITD&M Kurnool, Kurnool, AP, India CGPA 8.19/10

PROFESSIONAL EXPERIENCE

Research Aide, SW IV, Kyl Center for Water Policy, Arizona State University **May 2021 - Present**

- Developed a **Web App** using **DJANGO FRAMEWORK**, and **POSTGRESQL** for **AZ Community Water Source Project**
- Created a **PYTHON** code to extract table data from PDF file and convert it automatically into an EXCEL file

Trainee Software Engineer, Preludesys India Ltd **June 2020 – Sep 2020**

- Enhanced the existing project by creating a new module using **.NET FRAMEWORK** with **C#** and **VB.NET, MSSQL**
- Improved **WORKORDER** module by creation of a **REST API** to create workorders from salesforce team which reduced time on repetitive tasks

Intern, Preludesys India Ltd **Jan 2020 – Apr 2020**

- Created web apps using **.NET FRAMEWOR**K with C#. Also learnt **AJAX, JQUERY** in **JAVASCRIPT** to enhance the development
- Developed two demo web apps (Flight Booking System, Blood Donation App) using SDLC technologies like **AGILE SRUM** & **WATERFALL** models

ACADEMIC PROJECTS

Statistical Machine Learning Project consisting of III parts **ASU, April 2021**

- Classification task using Naïve Bayes Theorem and Logistic Regression Model using gradient ascent, reporting the classification accuracy for both classes in testing data
- Unsupervised Learning (k-means algorithm) on dataset consisting of 2-D points with given number of clusters (k) ranging from 2-10 and plotting objective function vs the number of clusters
- Designed a model using Deep Learning (Convolutional Neural Networks) with training data of 73,257 samples from SVHN (Street View House Numbers) dataset

Smart Classroom **IIITD&M, March 2019**

- This project has proxy free attendance and power conservation functionality. This is developed with the help of PYTHON, Raspberry Pi Model 3, and MySQL as the database
- Designed a circuit model which takes RFID tag signal as the input and executes the logic for power controlling and attendance system for students which controls proxy with the help of Camera Module installed with Raspberry Pi 3

Arduino Based Automatic Plant Watering Systems **IIITD&M, December 2018**

- Developed prototype using Arduino for watering plants without human intervention with the help of soil moisture sensor and a DC Motor
- This is achieved by comparing the sensor values against a threshold and signaling motor to pump accordingly with Arduino programming language

CURRENT PROJECTS

i. Researching on developing sophisticated ML Algorithm in STOCK PRICE PREDICTION using LSTM method and clustering positive and negative trend news of company.
ii. My Portfolio, Recipe Book, and Shopping list Apps using ANGULAR JS FRAMEWORK. (Angular 12)
iii. API consisting of IIITD&M Alumni data using DOT NET FRAMEWORK API.

TECHNICAL SKILLS

Programming Languages: C, C#, JAVA, PYTHON, SQL, TYPESCRIPT.
Web Development: HTML, CSS, JAVASCRIPT, BOOTSTRAP, JQUERY, AJAX, DJANGO, .NET, ANGULARJS (Angular 12), REST API.
Machine Learning Libraries: NUMPY, SCIPY, PANDAS, MATPLOTLIB.
Databases: POSTGRESQL, MSSQL, MONGODB.
IDEs: VISUAL STUDIO, VS CODE, JUPYTER NOTEBOOK, NOTEPAD++
Other Tools: GIT, AWS – EC2.