Bhimesh Chauhan

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EDUCATION

IOWA STATE UNIVERSITY, ELECTRICAL ENGINEERING (2018)
ENTREPRENEURIAL STUDIES (MINOR)

EXPERIENCE

DataRobot, Boston, MA — *Full-Stack Engineer*
JULY 2019 – MAY 2020

• Developed Application in React and Python to connect and write to MSSQL, RedShift, and integration with Microsoft Excel developed in C# (.Net Application).

• Integrated DataRobot tools with our partners like Microsoft Excel (C#), Snowflake (JDBC), Tableau (Vue / Python - Django) and Alteryx (React / Python - Flask). Integrated CI/CD process using Jenkins.

• Worked on Android application to provide remote access to ML models on the go helping in quick proof of concepts and in daily use in classification and identification solutions.

Pitchly, Des Moines, IA — *Software Applications Developer*
JULY 2018 - JULY 2019

• Designed an MVC application with API design to respond to various intricate requests to play well in the application ecosystem.

• Wrote two applications in Meteor to use GraphQL endpoints in an ecosystem to help financial & legal institutions streamline data.

Nebullam Inc., Ames, IA — *Android Application Developer, Data Scientist*
MAY 2017 - AUGUST 2018, SEPTEMBER 2018 - AUGUST 2019

• Built an android application to remotely control and monitor the plant growth on high pressured aeroponics systems to increase the yield.

• Implemented a neural network using Py-Torch, TensorFlow to study and automate the generation of plant growth which helped raise investment.

Sodima Solutions, Miami, FL — *Full-Stack Software Engineer*
AUGUST 2016 - FEBRUARY 2017

• Developed MVP architecture for an app in GraphQL to build Python NLP chatbot.

• Created .Net (C#) application to facilitate the modularized finance management application for health industry complying with HIPAA guidelines.

Solum Labs (The Climate Corporation), Ames, IA — *Full-Stack Software Engineer*
MAY 2016 - AUGUST 2016

• Redesigned the MVC model to read NFC to assist in faster and error-free data retrieval of 1500 samples per day to test nutrients in the soil.

• Constructed an API for plasma spectrometer using WAMP, Crossbar.io, D3.js, and Leaflet for visualization of 180 samples per hour.

SKILLS

Languages: Python (Flask / Django), JavaScript (ES5/ES6), C#, Java, C++, JQuery, HTML5, CSS3.

Frameworks: Node, React, Redux, Meteor, Flask, GraphQL, Django, D3.JS, Leaflet, Crossbar, WAMP, Angular, Android, Postgres, TensorFlow, Keras, Pandas.

Other: Git, Agile, MVC, REST API, TDD, Unit Test (chai, mocha), LINUX, OpenCV, OpenGL, MySQL, MongoDB.

PROJECTS

AI Connect 4:
Play connect 4 with a smart AI designed to mimic human like moves and decision making. Uses decision tree, alpha-beta pruning written in React, Redux and JS. Check it out here: https://bhimeshchauhan.github.io/projects/

Unity Graphics Procedural Terrain:
Created a UNITY terrain using triangulated points with varying depths and applying Gaussian Transform to smoothen the surface and enact surface tension.

Sudoku Solver:
Fabricated a program that solves Sudoku using image processing, mathematical morphology and backtracking techniques using C++, Python, OpenCV which helped me understand complex problem solving.