

# Bhimesh S. Chauhan

## EDUCATION

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

## EXPERIENCE

**Preply Inc., Boston, MA — Senior Full-Stack Software Engineer**  
OCT 2020 – PRESENT

- Led development on progress tracking and feedback mechanism for 80K students and tutors to enable their learning journey.
- Monitored iterative growth of business OKR's via end-to-end tests by performing quantitative analysis on data collected for increment of 5% user conversion rate.
- Released 72% scalable experiments by conducting customer interviews to gain insight into user journey and drive business decisions according to feedback.

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

- Integrated DataRobot tools for 70% more visibility with partners like Microsoft Excel (C#), Snowflake (JDBC), Tableau (Vue / Python - Django) and Alteryx (React / Python - Flask) with custom CI/CD process using Jenkins/Kibana.
- Delivered an Android application for remote access to ML models, helping in proof of concept, classification, identification and building of solutions.

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

- Designed an MVC architecture around REST API to respond to intricate requests adhering to security standards (OWASP & HIPAA).
- Developed two applications in Meteor to use GraphQL ecosystem to help clients by automating data intake and time saving pitch deck generation.

**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 firmware leading to increased yield by 20%.
- 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 (Internship)**  
AUGUST 2016 - FEBRUARY 2017

- Developed MVP architecture for an app in GraphQL to build 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 (Internship)**

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 speedy visualization of 180 soil samples per hour.

## EMAIL

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## WEBSITE

bhimeshchauhan.github.io

## GITHUB

github.com/bhimeshchauhan

## LINKEDIN

linkedin.com/in/bhimeshchauhan

## SKILLS

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

**Frameworks:** AWS (Lambda, EC2, S3), Node, React, Redux, Meteor, Flask, GraphQL, Django, D3.JS, Leaflet, Crossbar, WAMP, Angular, Android, Postgres, TensorFlow, Keras, Pandas, NumPy.

**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:

Used UNITY to smoothen the surface and enact surface tension terrain by applying triangulated points with varying depths and Gaussian Transform.

### Sudoku Solver:

Solved Sudoku using image processing, mathematical morphology and backtracking techniques using C++, Python, OpenCV which helped me understand complex problem solving.