PRATAP LAMICHHANE

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EDUCATION

East Central University, Ada, OK
  Bachelor of Science, Computer Science, December 2018
Selected Coursework: CPSMA 2923-Advance Programming Languages (Python), CMPSC 4213-Data Structure and Algorithm Analysis, CMPSC 2323- Data base design and development, CMPSC 3233- Internet Programing, CMPSC 3233-Linux tool, CMPSC 3543-Object Oriented Programming, CMPSC 3113-Operating System, CPSMA 3933 -Operation Research, CMPSC 3213 -Org of Programming Languages, CMPSC 4983- Seminar (Robotics)

Kathmandu Model Higher Secondary School, Kathmandu, Nepal
  High School Diploma, July 2014

SKILLS

  Programming/Scripting Languages:
(Proficient) Python, C, C++, SQL, PostgreSQL, Node.js, JavaScript, React-Native and Redux, MATLAB, Perl, PHP, HTML, jQuery, Bootstrap, Restful API, SOAP, (Familiar) Java, Ruby, Coffee Script,
Frameworks and tools: Django, Expresso, Meteor, Express, MVC, JIRA, Maven, Eclipse, IntelliJ, Visual Studio, ATOM, iOS SDK, Android SDK, Git, GitHub

EXPERIENCE

Software Engineering Intern
LegalShield Inc., Ada, OK, May - October 2018
  Interned with the application developer team, developed AI Chatbot Helpdesk application by integrating Slack and Cherwell system to automate more workflow in helping to create ticket over Cherwell system using Restful API. Use of machine learning by integrating with google Dialog flow - whenever user query their request, receive response on AI Intent recognition.

Research Intern
  Crypto-Currency Cold Storage and LSB Image Steganography, East Central University, Ada, OK, August 2017- May 2018
  We exhibit a novel approach to adaptive image steganography which is combined with One-Time Pad encryption and demonstrate the software which implements this methodology. Identified the attribute instances of Least Significant Bit algorithm (LSB) image steganography by using the original cover image in side-by-side comparison with a suspected steganography payload image.

Lab Assistant Student

Computer Lab Assistant, Ada, Ok, August- December 2016

Responsible for communicating with supervisor and team members. Records and communicates any unexpected differences in test results. Provides in-depth data analysis summary.

Web Developer (MAKE IT SIMPLE)

High School Student Developer, Kathmandu, NP February 2013 – August 2014

Built a web app application using JavaScript technologies like Meteor.js, Express, AngularJS and mongo DB.

PROJECTS

AI Chatbot Helpdesk App (Slack and Cherwell Integration)

LegalShield, LLC, Ada, Ok, 2018

Created Helpdesk app to automate more workflow so that Helpdesk app can perform in helping to create ticket over Cherwell system with more user friendly and increase the productivity for the Cherwell users too.

Autonomous Robot

East Central University, Ada, Ok Summer 2017

It was designed and built with fully programmed autonomous robot using the conditions and function based on sensor visibility. The KISS IDE interaction using the servo motors, DC drive motors and sensor performed to grab the objects and follow the line using the color tracking functionality.

Retrieving Geodata

Coursera, University of Michigan, Spring 2018

This is the project done under using the Google Geocoding API data for using the google maps to visualize the data using the programming languages Python and MySQL. For the creation of databases, the SQLite is used for the managing the retrieved data under the idea of restart able, spider-like process.

Email Data Visualization

Coursera, University of Michigan, Spring 2018

We did visualize the retrieved data from the particular sources and the managed in data base and filter it up the unnecessary data and placed it up for the timeline for analyzing the final data. We did retrieved data from particular Server, cleaning up data, mapping, refining process, word cloud visualization, timeline visualization using major tools like Python, MySQL, SQLITE, JavaScript, HTML.

Pratap Lamichhane
Age: 22 years
Bachelor's Graduated 2018
Oklahoma City, Oklahoma