

# Pradip Lamsal

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## EDUCATION

**Texas Tech University** (Graduating May, 2019)  
B.S. in Computer Science (Honors, GPA: 3.87)  
Minors: Economics, Mathematics

## RELEVANT SKILLS

**Programming Languages:** Java, Python, C (*Proficient*) || C++, JavaScript, HTML, CSS, Bash/Shell (Intermediate)  
**Technologies:** Pega 7, Android, Node.JS, MySQL, JSP, Azure, Google CP

## EXPERIENCE

- Hoverstate Inc., Certified System Architect Intern** Lubbock, Texas May 2018 – Now
- Received the Pega System Architect certificate to build BPM and CRM applications using the codeless Pega technology
  - Built a Visitor Registration system and an automated new employee onboarding application for Hoverstate using Pega
- Data Science Research Assistant, Texas Tech University, Project Exposome Team** Lubbock, Texas July 2017 – Now
- Research and explore the possibilities of creating an intelligent and flexible search tool that pulls appropriate items from databases of any layout or format based on the search-phrase provided. First version already created.
- Caprock Custom Applications, Developer Intern** Lubbock, Texas January 2018 – May 2018
- Learn and use Angular4 and TypeScript to help the development team build custom web-applications for clients
- Texas Tech Learning Center, Tutor (Computer Science, Mathematics, Economics)** Lubbock, Texas January 2017 – May 2018
- Hold one-to-one or group tutoring specializing in personal or group projects and home works with college students
  - Earned recommendations from students and the supervisor for effective tutoring in Computer Science courses
- Link Plus Offshore, Pvt. Ltd., Junior Sales Executive** Kathmandu, Nepal Spring 2014
- Delivered pitches and sold custom websites and Search Engine Optimization (SEO) services internationally through outbound phone calls; maintained databases of leads and sales through data-entry and backup

## PROJECTS AND CURRENT UNDERTAKINGS

Spring 2017-Now

- **PawPrints Pet Tracker: A hardware plus software system to track and find lost pets** (*pinned on GitHub*)  
Built a hardware using an Arduino device to be worn around a pet's collar that generates Bluetooth beacons  
Created an Android app to scan for signals, communicate with database and Cloud Functions to detect if the pet is lost  
If pet's marked lost, the pet owners are automatically notified and displayed a real-time Google Map of the pet's traced path
- **Visual Regresssion Testing: An ongoing project at Hoverstate, Inc. to automate UI testing using WebdriverIO framework**  
Working on a Node.JS app that automatically takes screenshots of final webpages and compares them against client's designs
- **Argus: A project to monitor health status of High Performance Computing Center (HPCC) computers at Texas Tech University**  
Created a Node.JS CLI app to return average, max, min, sudden change in CPU load, temperature, memory use and fan speed
- **Homescool: A companion web-app for homeschooling parents in Lubbock, Texas** (*pinned on GitHub*)  
Implemented designs and use cases for the app using HTML, JavaScript, and Backendless for database and backend services  
Created Scrum artifacts, use case maps and GRL diagrams using jUCMNav; performed unit testing using jUnit and Jasmine
- **NLP-Assisted Data Search: An "intelligent" recommender system built using Python** (*pinned on GitHub*)  
Used Natural Language Processing to display database items that are synonymous to the given search-phrase
- **AutoScouts:** Developed an automated supermarket checkout system using JavaBeans, Servlets, JSP, HTML and MySQL

## EXTRA-CURRICULARS & SELECTED ACHIEVEMENTS

- Participant, HackTX, a 24-hour hackathon organized at UT-Austin, *October 20-21, 2018*
  - Participated on Azure Champ challenge by Microsoft and created a text summarizer using Azure's Text Analytics API
- Participant, Google Kickstart Coding Challenge at Texas Tech University, *September 14, 2018*
- Poster Presented, NLP-Assisted Data Search, National Science Foundation CAC Meeting, Tucson, AZ, *April 23-24, 2018*
- Co-founder and Student Representative, Matador Investment Club, Texas Tech University, *March 2017 – August 2018*
- Participant, HackWestTx, a hackathon spanning the West Texas region organized at Texas Tech University, *Spring 2017*
- Earned: the Outstanding Delegate award and the Best Position Paper award; National Model United Nations (NMUN) competition (UNEP Committee), NYC; (Students from over 150 universities worldwide participated), *April 2016*