PRATIKSHA SHRESTHA

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PERSONAL STATEMENT

A highly motivated, self-learner, hardworking individual with an ongoing degree in Computer Engineering from Kathmandu University, with ability to work with team or alone, looking for an opportunity to develop one's skill in web development and data analysis facing challenges in the professional work environment.

SKILLS

- Proficient in *JavaScript* and *node.js environment*.
- Database programming using *MySQL* and *MongoDB*.
- Experience with *express.js* and *Mongoose* framework.
- Working knowledge of *Python*, *C*, *C++* and *Android Development*.
- Knowledge of *HTML*, *CSS and PHP*.
- Proficient in *Microsoft Office*, including *Word*, *Excel*, and *PowerPoint*.
- Familiar with *Git* usage

PROJECT EXPERIENCE

Chino
- An e-commerce site based on node.js and MongoDB that allows users to design T-shirts with the provided canvas.
- Users are provided with features of selecting, deleting and editing the various icons and pictures within the predefined canvas and place an order for delivery.

Review Analyzer (Opinion Mining)
- A system that analyses the reviews given to the movies and classifies it as either positive or negative.
- Built using Python3 and nltk toolkit using Naïve Bayes classifier with 10-fold cross validation.

KU Notes
- An educational site created using node.js and MongoDB providing users a portal to share and obtain academic resources.

School Management System
- Created using PHP and MySQL, it allows the administrative and financial staff of a school/college to keep record of the enrolled students and their activities.

Infinity (Arduino - Android)
- An Android music player application along with UI that allows users to interact with Arduino.
- LEDs connected to the Arduino changes its flickering pattern along with the pitch of the music.

VLC Controller
- Android app that allows users to control VLC media player with their mobile phone.

Women's App (WAPP)
- An informative app designed to help women fight against violence stacked with google map, GPS tracking and messaging features.
- Developed for participation in WLiT mobile app competition.

Nepali Conversion Tool
- A Linux platform software written in C++ and Python that converts .docx and .txt files written in popular Preeti format to Unicode and vice versa.
- Worked in compression and decompression of XML files.

EDUCATION

Bachelors in Computer Engineering   **2014 – present (expected August 2018)**
School of Engineering, Kathmandu University (KU)
CGPA 3.55 (approx.)

Higher Secondary Examination Board   **2012 – 2014**
National School of Sciences
83.7% on aggregate

EXPERIENCES AND ACTIVITIES

Membership
- Fellow of Women Leaders in Technology (WLiT) (2017 – present)
- Member of Kathmandu University Computer Club (KUCC), Kathmandu University (2014 – present)
- Member of Amnesty International Kathmandu University Youth Network (AIKUYN) (2014 – present)

Related Leadership and Volunteer Experience
- Event Manager of Idea Hunt at Kathmandu University IT MEET 2018
- Documentation Team Member at KU IT MEET 2018
- Volunteered at Kathmandu University IT MEET 2017

Activities
- Participated in 2-weeks BootCamp organized by WLiT (2017)
- Participated in Android App Development Hackathon organized by WLiT (2016)
- Participated in Cross-Platform Mobile Development Workshop organized by WLiT (2016)
- Participated in Arduino Workshop organized by KU IT MEET 2016 (2016)