

PRATIK SHRESTHA

EMAIL: prtx.pratikshrestha@gmail.com
GITHUB: github.com/prtx
LINKEDIN: np.linkedin.com/in/shresthapratik

Education and Technical Proficiency

2016 **Bachelors of Engineering (B.E.) in Computer Science**, Kathmandu University
Relevant Coursework
Data Structure and Algorithm, Algorithm and Complexity, Operating System, Compiler Design, Artificial Intelligence
Languages
Python, Shell, L^AT_EX, C, C++, SQL

Work Experience

Nov 2016- **Associate Software Developer/Consultant**, LIS Nepal Pvt. Ltd. (A Yómarí Company)
Present

- Provided technical support and consulted international clients on daily ETL batches.
- Coordinating with onsite team leads to develop BI solutions to reports financial insights using Oracle tools OBIEE, BIP and Microsoft Excel (VBScript).
- Implemented a complete makeover of the company website to improve design, make mobile responsive and integrate vacancy post, submissions with email notifications.

Technologies: Oracle, Korn Shell, Python, Django

Jun 2016- **Software Development Intern**, LIS Nepal Pvt. Ltd. (A Yómarí Company)
Oct 2016

- Developed ETL solutions, prepared release notes and testing documents.
- Researched on and documented Oracle tool ODI (Oracle Data Integrator) Knowledge modules to migrate the system from Oracle to Teradata.

Technologies: Oracle, Korn Shell, Python

Leadership Positions

2016 **Organizer**, Kathmandu University IT MEET, 2016
2015-16 **Python Community Executive Co-ordinator**, Kathmandu University Computer Club(KUCC)
2013-16 **Communication Information and Marketing**, AIESEC in Kathmandu University

Achievements and Certifications

2014 **NCell App Camp 2014 Category Winner (Business Category)**
Pitched and presented Opinio Android Application.
2014 **Startup Weekend Kathmandu 2014 Winner**
Pitched and presented Opinio.

Interests and Activities

- Programming, Problem solving, Whiteboards
- Linux
- Artificial Intelligence, Mathematical Modelling and Natural Language Processing
- Music and guitar
- Cartoon, comics and movies

Projects

2014-16 **TheOpinio.co**

Aggregated analysis and insights of opinions over social media on product, service or business.

- Implemented social authentication using oauth2.
- Used Twitter streaming API, Twitter REST API for social media data.
- Generated various analytics along with sentiment analysis of tweets.

Technologies: Python, Django, MongoDB, json, Amazon EC3

2016 **Sentiment Analysis on Twitter Data**

Determining sentiment polarity (positive, negative) of tweets.

- Used Naive-Bayes algorithm to calculate sentiment polarity based on trained data-set.
- Determined performance by accuracy, precision, recall and generated confusion matrix.

Technologies: Python, SQLite

2015 **Nepal Quake Retweet**

A computerized real-time retweet mechanism for Nepal Earthquake 2015.

- Used Twitter streaming API, Twitter REST API for social media data.
- Recognized related tweets using Natural Language Processing.

Technologies: Python, json, Amazon EC3

2015 **University Lecture PDF Search Engine**

An information retrieval system that searches lecture PDFs from top university sites based on the provided search queries.

- Crawled and scraped top university site for PDFs.
- Parsed contents, meta-data and processed it using Natural Language ToolKit (NLTK).
- Generated an inverted index.
- Used Pearson's correlation for ranking and recommendation.

Technologies: Python, Django, json, MongoDB

2013-14 **Desktop Search Engine for Help Nepal**

A file-system search engine that searches based on keywords and file types.

- Probed and parsed contents, meta-data and standardized from files of different format.
- Processed the content using Natural Language ToolKit (NLTK).
- Generated an index and search a algorithm.

Technologies: Python, TKinter, SQL