ROJINA DEUJA

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EDUCATION

Master of Science in Computer Science
University of Nebraska-Lincoln, USA
Aug 2019-Dec 2021(expected)
Current GPA: 4.0/4.0

Bachelor of Engineering in Computer Pokhara University, Nepal
Aug 2013- Sep 2017
Faculty Topper Scholarship Awardee, CGPA: 3.85/4.0

SKILLS

JavaScript (ReactJS, Node.js, D3.js)
Python
C# (.NET)
Java
HTML5, CSS
System Administration (Unix/Linux)
MySQL, PL/SQL, Oracle 12c/11g
MongoDB, Neo4j
ETL Processing
Oracle BI Suite, PowerBI, Qlik
Microsoft Office (Excel, MS Access)
JIRA, GIT, BitBucket

SOFT SKILLS

Excellent communication skills
Experience with customer service

COURSEWORK

Object Oriented Programming
Design and Analysis of Algorithms

HONORS AND AWARDS

Dean's List 2018
Faculty of Science and Technology, Pokhara University

Computer Science Award 2018
Department of Computer Engineering, NEC

Microsoft Student Partner 2016

SUMMARY

Energetic, analytical, and detail-oriented individual with over two years of experience in Software development, Databases and Application support.

WORK EXPERIENCE

GRADUATE TEACHING ASSISTANT
University of Nebraska-Lincoln, NE, USA *Aug 2019-Present*
Courses: Database Systems; Data Mining; Advanced Software Engineering; Computer Architecture
▪ Graded and facilitated code solutions, course content reviews with 1:1 tutoring

INTERN (SOFTWARE ENGINEERING)
DMSi Software, Omaha NE, USA *May 2020-Aug 2020*
▪ Gained hands-on-experience with React, TypeScript, Go, PostgreSQL, RESTful APIs, Git, JIRA and Agile Development
▪ Co-developed Dynamic Door configurator, a full-stack web application where users can configure a door and submit the product on a sales order for DMSi's ERP
▪ Developed a full-stack web app that facilitates add/update/delete of BOM (Bill of Materials)
▪ Responsible for rebuilding the front-end using HTML5 and CSS so that the user experience aligns with existing DMSi products
▪ Worked with DMSi test harness to build a login process- complete with User Session Management against DMSi's flagship product, Agility
▪ Decreased image generator response time by over 60% through database optimization
▪ Proposed and administered database optimization strategies to improve image/large data storage, add hashing, data retrieval and future management

SOFTWARE ENGINEER
LIS Nepal Pvt Ltd [Subsidiary of Logic Information Systems, MN, USA] *Oct 2017-May 2019*
Application development
▪ Developed full-stack services for company website using PHP (CodeIgniter), MySQL
▪ Refactored existing codes and performed extensive testing/resolution of bugs in legacy web applications built using C# (ASP.NET)
Database and data warehouse development
▪ Designed data warehouse solutions using Oracle 11g/12c Databases
▪ Carried out data integration by writing ETL scripts using Python, Oracle Data Integrator
▪ Built Business Intelligence reports for global retailers like Express, Petco, Groupe Dynamite
Batch and application support
▪ Analyzed batch issues to improve performance by 70-80%, formulated solutions to failures
▪ Streamlined Quality Assurance by generating SQL data validation scripts (Unit Testing, System Integration Testing) and ad-hoc reports (UAT)

INTERN (SOFTWARE ENGINEERING)
LIS Nepal Pvt Ltd [Subsidiary of Logic Information Systems, MN, USA] *Mar 2017-Oct 2017*
▪ Created a Predictive Machine Learning application for student grade predictions using Java, Weka Library and JavaScript (D3.js)
▪ Developed web-based Question Set Generator using Java (Spark), HTML and CSS