

ROJINA DEUJA

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EDUCATION

University of Nebraska-Lincoln, Master of Science in Computer Science [Expected: Dec 2021] CGPA: 4.0
Pokhara University, Nepal, Bachelor of Engineering in Computer [Sep 2017] CGPA: 3.85

SKILLS

Programming – JavaScript (ReactJS, Node.js), Python, C#(.NET), Java, Go, HTML, CSS, XML, C, C++

Databases – MySQL, PL/SQL, Oracle 12c/11g, PostgreSQL, SQLite, MongoDB, Neo4j, ETL Processing

Tools – JIRA, Git, BitBucket, Visual Studio, Postman, Eclipse, System Administration (Unix/Linux)

WORK EXPERIENCE

Graduate Teaching Assistant, University of Nebraska-Lincoln, NE [Aug 2019-Present]

- Facilitated courses related to Software Engineering and Data Modeling for 300+ students with 1:1 tutoring.
- Appointed as GTA Graduate Student Representative to work alongside the Faculty Committee at UNL CSE.

Software Engineer Intern, DMSi Software, NE [May 2020-Aug 2020]

- Developed Dynamic Door configurator, a full-stack CPQ (Configure Price Quote) software for custom doors.
- Developed a full-stack web application that facilitates users to add/update/delete BOMs (Bill of Materials).
- Gained hands-on-experience with React, TypeScript, Go, PostgreSQL, RESTful APIs and Agile Development.
- Remodeled front-end using HTML5 and CSS to align user experience with existing DMSi products.
- Reduced Image Generator response time by over 60% through code improvements.
- Proposed and administered database optimization to improve data storage/retrieval and add hashing.

Software Engineer, Logic Information Systems, MN [Oct 2017-May 2019]

- Developed full-stack services for the company website using Object Oriented PHP, HTML/CSS & MySQL.
- Refactored code with extensive resolution of bugs in legacy web applications built using C#(ASP.NET).
- Designed data warehouse solutions using Oracle 11g/12c Databases.
- Pipelined data integration using efficient ETL scripts in Python, Oracle Data Integrator and KSH.
- Built Business Intelligence reports for global retail giants like Express, Petco, Groupe Dynamite.
- Analyzed batch issues to improve performance by 70-80% and formulated solutions to failures.
- Streamlined Quality Assurance using SQL validation scripts (Unit Testing, System Integration Testing).

Software Engineer Intern, LIS Nepal [Mar 2017-Oct 2017]

- Created a Predictive Machine Learning application for student grade using Java, JavaScript (data visualization).
- Developed a full-stack web application, Question Set Generator using Java (Spark), HTML and CSS.

HONORS AND AWARDS

Computer Science Award, Department of Computer Engineering, NEC [2018]

Dean's List Graduate, Faculty of Science and Technology, Pokhara University [2017]

Microsoft Student Partner (MSP), Microsoft Innovation Center [2016]

Faculty Topper Scholarship Award, Department of Computer Engineering, NEC [2013-2017]

PERSONAL PROJECTS

Applications of Natural Language Processing for Data-rich Business Intelligence [[NLP Implementations](#)]

Data Modelling and Visualizations for Enterprise-level datasets [[NIPS Challenge](#), [Yelp Dataset Challenge](#)]

Web development with ReactJS, NodeJS [[Data Dashboard](#), [MERN Student App](#), [Weather App](#), [Tic-Tac-Toe](#)]

ADDITIONAL

Excellent written and verbal communication skills.

Strong understanding of Object-Oriented Programming (OOP), Algorithms and Data Structures.

Experience with Customer Service, User Experience and Software Development lifecycle.