

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.