

# BIBEK DHUNGANA

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## SUMMARY

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- ❖ Aspiring Software Developer involved in analysis, development, testing, and deploying web-based Client/Server applications.
- ❖ Experienced in developing Frontend applications using HTML5, CSS3, JavaScript, jQuery, AJAX, Bootstrap, Angular, JSON, Typescript.
- ❖ Experience in deploying web applications using web servers like WebSphere, WebLogic, JBOSS, & Apache Tomcat
- ❖ Proficient in Spring Framework including Spring MVC, I/O, Spring Boot, Microservices, Spring Batch, Spring Security, Spring Data JPA.
- ❖ Proficient in implementing Service Oriented Architecture (SOA) using SOAP & REST web services and developing Microservices using Spring Boot.

## EDUCATION

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**Texas Tech University, Lubbock, Texas**  
*Bachelor of Science in Computer Science*  
Minor: Mathematics

Graduation Date: Aug 2023  
**GPA: 4.0**

**Relevant Courses:** Data Structures, Object-Oriented Programming, Design and Analysis of Algorithms, Concept of Programming language, Machine learning, Artificial Intelligence, Computer Architecture.

## PROFESSIONAL EXPERIENCE

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**Open Market Hub, Lubbock, Texas**  
*Founder and CEO*

*Jan 2021 – Present*

- Participated in all phases of SDLC like design, development, testing, enhancements, and production support.
- Designed interactive web pages with front-end screens using HTML5 and CSS3.
- Used advanced level of HTML5, JavaScript, CSS3 and pure CSS layouts and Angular 8.
- Developed database interaction code to JDBC API making extensive use of SQL Query Statements and advanced prepared statements.
- Used JDBC, Hibernate, Spring framework, MySQL, and Angular for this platform.
- Created a custom, single-page application to replace a legacy line-of-business web application using Spring MVC Framework and AngularJS.
- Created open market hub for opensource trading and marketplace.

**Mobility Automation Lab, Lubbock, Texas**  
*Researcher*

*Jan 2021 – Present*

- Robotic Operating System (ROS) and RGBD Camera application and Implemented Simultaneous localization and mapping for making a semi-autonomous robot.
- Participated in developing various applications using Python libraries like OpenCV, NumPy, SciPy, and Pandas. Developed various web and desktop applications implementing numerical and scientific programming.

- Implemented various algorithms in Python programming language to optimize the result of the embedded system.
- Developed an android application to control and track status of autonomous robot and track the real-time data using OpenCV library.

### **National Science Foundation I - Corps Program, Lubbock, Texas**

*Internship (Innovation Hub, Texas Tech University).*

*May 2021 – Jun 2021*

- Data monitoring system using ROS Framework, RGBD camera, and embedded microcontrollers
- Developed web application using technologies like Java, JDBC, Servlet, JSP, Spring boot, Hibernate, MySQL, Apache, and Angular to develop the interface for our semiautonomous driving robot.
- Conduct customer interviews to find the best product-market fit for our technology and presented our result at the end of the project.

### **ASPS Enterprises Inc, Houston, Texas**

*Data Analyst*

*Mar 2020 – Dec 2020*

- Manage real-time data with NumPy, SciPy, Matplotlib, and Pandas and perform various mathematical optimization to build a secure application.
- Developed web application using Django, MySQL, Apache, and Linux for the enterprise to track the inventory data.

### **IT Solutions, Bhaktapur, Nepal**

*Assistant Java Developer.*

*Jan 2015 - Aug 2016*

- Responsible for creating efficient design and developing User Interaction screens using HTML5, CSS3, JavaScript, jQuery AJAX and JSON
- Participated in all phases of SDLC like design, development, testing, enhancements, and production support.
- Involved in developing individual modules using design patterns, presentation, controller, Business, Service, DAO layers, and Java coding standards.

## **Technical SKILLS**

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<b>Languages:</b>	Java, Python, C++, C, C#, JavaScript, MATLAB
<b>Web Technologies:</b>	JSP, Servlet, jQuery, Angular, AJAX, HTML5, CSS3, JavaScript, JSON, XML, Bootstrap, Node.JS
<b>App/Web Servers:</b>	Tomcat, WebSphere, WebLogic, JBOSS
<b>Web Services:</b>	REST, SOAP, JSON, AWS, Microservices
<b>Databases:</b>	MySQL, Oracle, MongoDB
<b>Tools:</b>	Eclipse, NetBeans, RAD, Spring Tool Suite, IntelliJ IDEA, Git, Maven, Gradle
<b>Hardware:</b>	Nvidia Jetson, Arduino, Raspberry Pi
<b>Software:</b>	Adobe Photoshop, Adobe Premiere Pro, Adobe Illustrator, Microsoft Office.
<b>Frameworks:</b>	Django, REST, GIT, jQuery, NumPy, SciPy, Matplotlib.

## **SKILLS, AWARDS, AND INVOLVEMENT**

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- Full Stack Java Developer(Hibernate, Spring, Spring Boot, Microservices, REST )
  - Membership in the Robotic Club and the Artificial Intelligence Technology Lab.
  - Self-motivated and quick learners who are constantly eager to master new technology.