BIBEK DHUNGANA

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SUMMARY

- ❖ Aspiring Software Developer involved in analysis, development, testing, and deploying web-based Client/Server applications.
- ❖ Experienced in developing Frontend applications using HTML, CSS, JavaScript, jQuery, AJAX, Bootstrap, JSON, Typescript, and Angular.
- ❖ Experienced in developing Backend applications using Spring Framework, Hibernate, and Nodejs.
- ❖ Proficient in deploying web applications in Tomcat and Nginx, cloud service providers like Azure and AWS.
- ❖ Proficient in using version control systems like git and GitHub. Also, proficient with REST web services.
- ❖ Proficient with DevOps tools such as Git, GitHub, Slack, Docker, Kubernetes, Terraform, Jenkins, etc., and familiar with AWS, Azure, and Google Cloud.

EDUCATION

Texas Tech University, Lubbock, Texas   Graduation Date: Aug 2023
Bachelor of Science in Computer Science   **GPA: 4.0**
Minor: Mathematics

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

PROFESSIONAL EXPERIENCE

Open Market Hub, Lubbock, Texas   *Jan 2021 - Jan 2022*
Software Developer, Startup company for trading and marketplace,

- Participated in all phases of SDLC like design, development, testing, enhancements, and production support.
- Designed interactive web pages with front-end screens using HTML and CSS.
- Used advanced level of HTML, JavaScript, CSS, and pure CSS layouts and Angular 10.
- 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 Angular.

Mobility Automation Lab, Lubbock, Texas
Researcher and web Developer   *Jan 2021 - Jan 2022*

- 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 localization algorithms in Python programming language to optimize the result of the embedded system.
- Developed an android application in Java to control and track the status of autonomous robots using the OpenCV library.

National Science Foundation I - Corps Program, Lubbock, Texas
Internship (Innovation Hub, Texas Tech University).   *May 2021 - Jun 2021*
- Developed web application using technologies like Java, Spring boot, Hibernate, MySQL, Apache Tomcat, and Angular to develop the interface for our semiautonomous driving robot.
- Data monitoring system using ROS Framework, RGBD camera, and embedded microcontrollers.
- Perform software development, testing, and deployment of the application in the server using amazon web services (AWS).
- 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 HTML, CSS, JavaScript, jQuery, AJAX, and JSON.
- Participated in all phases of SDLC like design, development, testing, enhancements, and production support and assisted the senior developer in testing the code.
- Involved in developing individual modules using design patterns, presentation, controller, Business, Service, DAO layers, and Java coding standards.

TECHNICAL SKILLS

Languages:	Java, JavaScript, Python, C#, C++, C, MATLAB
Front end:	HTML, CSS, Bootstrap, JavaScript, jQuery, NPM, TypeScript, Angular
Backend:	Spring, Spring boot, Hibernate, .NET, Node.js, Django
Databases:	MySQL, Oracle, PostgreSQL, MongoDB, Cassandra
DevOps Tools:	Git, Jira, Gradle, Docker, Kubernetes, Jenkins
Cloud Computing:	AWS, Azure, GCP
Web Services:	REST, SOAP, JSON, AWS, Microservices
Tools:	Maven, Gradle, Junit
Frameworks:	Angular, Spring, Hibernate, Django, ASP.NET, Node.JS

AWARDS, AND INVOLVEMENT

- Poster presentation of research outcome at Texas Tech University showcase.
- Member of Robotic Club and the Artificial Intelligence Technology Lab.
- Self-motivated, quick learner and eager to master new technology.