

BISHAL SARANGKOTI

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EDUCATION

Kathmandu University Computer Engineering Bachelors	Dhulikhel, Nepal 2016 - 2020
St. Xavier's College, Plus Two Science	Maitighar, Kathmandu, Nepal 2014 - 2016

EXPERIENCE

Leapfrog Technology, Inc. <i>Senior Software Engineer</i>	Kathmandu, Nepal Jul 2023 - Present
Leapfrog Technology, Inc. <i>Software Engineer</i>	Kathmandu, Nepal Jan 2022 - July 2023
<ul style="list-style-type: none">Actively participated in entire aspects of the project: D&D, estimation, development, code reviews, testing, performance enhancement, deployment, client communicationProvided KSS and training to new developersProactively participate in improving the codebase by working on Javadocs, SchemaSpy Docs, Swagger Docs, fixing the Sonarqube issuesWorked on improving error handling, logging and notifications using cloudwatch, open searchWork on several POCs and research tasks like polyglot feature with GraalVM, ALB authentication using Okta, LDAP integration, CxSmile rendering, cross-account sharing for AWS resource(OpenSearch) using Java STS SDK	
Leapfrog Technology, Inc. <i>Associate Software Engineer</i>	Kathmandu, Nepal Sep 2020 - Jan 2022
<ul style="list-style-type: none">Contributed as a Full Stack developer from requirement analysis to shipping major features for Bio Medical Company in USAWorked on codebases based on JavaScript, Java and Postgres using web components(Lit Element)Developed REST APIs using Micronaut and UI using Lit Element	
Programiz PRO <i>Freelance Technical Writer</i>	Kathmandu, Nepal Sep 2021 - Dec 2021
<ul style="list-style-type: none">Research, collaborate and write articles in C++ topics and tutorials for https://www.programiz.com/	

SKILLS

Programming Languages:	Java, JavaScript, Typescript, Python, C#, C++
Frameworks and Libraries:	ReactJs, Micronaut, NestJS, Serverless Framework, Lit Element, Web components
Other:	PostgreSQL, MySQL, AWS, Docker, Git

PROJECTS

Recursion Visualiser <i>Python, Selenium</i>	https://github.com/Bishalsarang/Recursion-Tree-Visualizer
A simple python package to visualize recursive function which can be useful for academic purpose as well as debugging. It generates animation and draws recursion tree.	
Ballot Paper Counting System <i>Python, OpenCV, NumPy</i>	https://github.com/Bishalsarang/Ballot-Paper-Counting-System
A computer vision based project to analyze ballot paper(Nepal), count votes and display the result. The aim of the project is to make counting votes from ballot paper more efficient.	
The Sign Language Platform <i>Python, OpenCv</i>	https://github.com/Bishalsarang/The-Sign-Language-Platform
Implementation of American Sign Language using computer vision and machine learning(CNN) Translates sign language to text and text to speech	

AWARDS

NCE Yatra 3.0 Coding Competition Winner Winner of Yatra 3.0 Coding Competition 2019	National College of Engineering (NCE) Jul 2019
GeeksforGeeks Fork CPP Ranked 8th/2500 in an online programming contest on C++, "Fork CPP"	GeeksforGeeks Jan 2019