

Jonesh Shrestha

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SUMMARY

Experienced software engineer with expertise in frontend development and a solid understanding of backend and data engineering concepts. Passionate about continuous learning and staying up-to-date on emerging technologies.

EXPERIENCE

Software Engineer

COTIVITI NEPAL (formerly Vercend Nepal)

July 2021 - July 2023, Kathmandu, Nepal · Hybrid

- Developed client scripts and implemented new clients into Cotiviti and ODI systems.
- Imported data, created layouts, and applied Data Profiler Checks
- Developed scripts for loading and transforming data into CDF and performed ETL operations on big data.
- Provided support to PI team and trained them on ODI.
- Handled various ticket types and effectively addressed client requirements.

Machine Learning Researcher

Kathmandu University (KU)

December 2020 - April 2022, Kathmandu, Nepal · Remote

- Developed Nepali image captioning model using CNN and Transformer.
- Optimized model performance using BLEU and METEOR metrics.
- Enhanced model accuracy by synergistically combining CNN and Transformer.

Frontend Developer

Thoplo Technology Pvt. Ltd

March 2021 - July 2021, Kathmandu, Nepal · Remote

- Developed English to Hindi translation website with HTML5, CSS3, jQuery, JavaScript, Bootstrap, and GitLab.
- Built robust transliteration feature for Nepali language.
- Demonstrated proficiency in Vanilla JavaScript by creating efficient converters.

Software Engineer

Leapfrog Technology, Inc.

April 2021 - June 2021, Kathmandu, Nepal · Remote

- Conceptualized and designed TuTangle website with HTML and CSS2, implementing responsive design.
- Developed Traveler website with HTML, CSS5, and JS, using mobile-first approach.
- Created engaging web apps using vanilla JavaScript, showcasing adept understanding of the language.

Startup Intern

OpenMyNetwork

August 2020 - September 2020, New Jersey, United States · Remote

- Acquired knowledge about strategic social media marketing and implemented it to drive engagement and brand awareness.
- Contributed to e-learning project in Game Development and built mobile app prototypes using framer prototyping tool.

Business Intelligence Developer

LIS Nepal Pvt. Ltd.

January 2020 - April 2020, Lalitpur, Nepal · On-site

- Developed and deployed retail analytics solutions using SQL, ODI, OBIEE, ETL, PL/SQL, Power BI and created reports using MicroStrategy Reporting skills.
- Attended L&D sessions on datacenter infrastructure, retail POS, and SQL basics.

Freelance

Fiverr

November 2017 - January 2020, Remote

- Developed visually appealing and user-friendly web apps with HTML, CSS, and JavaScript.
 - Tracked changes to code and ensured the integrity of web apps using version control systems.
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PROJECTS

Backroads App

April 2023 - May 2023

- Built a travel service website with ReactJS.

Instructor HQ High Fidelity Wireframe

July 2020 - August 2020

- Created high-fidelity UI/UX wireframe design for Instructor HQ website using Adobe XD, Photoshop, and Illustrator.

Egg Timer, Xylophone, Quizzler, Dice iOS App

May 2020 - July 2020

- Developed four iOS apps using Xcode and Swift: an egg timer, a xylophone, a quiz app, and a dice app.

Kantipur Web Scraper

August 2019 - September 2019

- Extracted latest news from Kantipur and The Kathmandu Post without ads using Node.js and Cheerio.
- Developed web scraping script that could crawl and extract news articles from the two websites.

Evolution Simulator

May 2018 - March 2019

- Developed a bipedal creature simulator using genetic algorithm in JavaScript, HTML, CSS, and other frontend libraries.
- Empowered users to generate unique artificial creatures with tools for Nodes, Bones, and Muscles.
- Selected the most successful creatures based on their performance, using crossover and mutation processes to optimize their performance over generations.
- Featured on Siraj Raval's YouTube channel and www.aijs.rocks, gaining over 80 stars on GitHub.

Quick Sort Visualization

December 2018 - December 2018

- Implemented Quick Sort Algorithm in P5.js to visualize how sorting works.

Drum Kit, Simon Game

August 2018 - August 2018

- Developed a web application that plays drum sounds using keyboard keys or mouse clicks and a fun memory game that tests memory recall skills.

OMGSoundboard

December 2017 - January 2018

- Developed website Android Soundboard based on Material Design and the finest tunes for a Fiverr client.

KU BOT

November 2017 - January 2018

- Developed a bot using JavaScript and MongoDB.
- Collaborated with teachers to finalize profiles and add courses.
- Implemented a subscription system for students to enroll in courses.
- Facilitated administrative officers and clubs to create profiles and post notices.

KURA (Kathmandu University Requests and Answers)

May 2017 - August 2017

- Developed and launched KURA, a website forum for Kathmandu University students to discuss courses and clarify confusions.
- Implemented a user-friendly interface and voting system for answers to filter out irrelevant responses and ensure that only formal questions are accepted.
- Integrated a registration system requiring valid email addresses and customizable usernames.

Sudoku Solver

October 2016 - February 2017

- Developed a Sudoku Solver application in C++ and Qt.
- Implemented a user-friendly interface interactive features for solving and generating Sudoku puzzles.

EDUCATION

Bachelor's degree, Computer Science

Kathmandu University (KU) · Dhulikhel · 2020 · CGPA 3.67 in-major

CERTIFICATIONS

The Complete 2023 Web Development Bootcamp

Udemy · 2023

User Experience Design Essentials - Adobe XD UI UX Design

Udemy · 2023

COURSEWORK

Human Computer Interaction

Software Engineering

Data Structures and Algorithms

Machine Learning

SKILLS

Industry Knowledge: Front-end Development, Web Development, User Interface Design, User Experience, Data Engineering, Machine Learning, Oracle Data Integrator, iOS Development

Tools & Technologies: HTML5, CSS, JavaScript, Node.js, React.js, Adobe XD, Git, SQL, Oracle Database, Adobe Photoshop, Swift, Python

Languages: English, Hindi, Nepali