

# Jonesh Shrestha

Grounded and solution-oriented Computer Scientist with a wide variety of professional experience. Adept at motivating self and others. Passionate about web development and technology.

contact@joneshshrestha.com

+977 9863475245

Kathmandu, Nepal

www.joneshshrestha.com

github.com/joneshshrestha



## EDUCATION

### Bachelor's in Computer Science

Kathmandu University

03/2016 - Present

(in-major GPA 3.35)

#### Courses

- Data Structure and Algorithm
- Database Management System
- Human Computer Interaction
- System Analysis and Design
- Algorithm & Complexity
- Software Engineering

## TEAM PROJECTS

GitHub Profile: [github.com/joneshshrestha](https://github.com/joneshshrestha)

(For additional information and projects)

### Advanced Evolution Simulator (11/2018 - 02/2019)

- Developed an optimization environment to synthesize a realistic human walking.
- Researched on optimal gait pattern for a 2d bipedal model locomotion.
- Utilized: HTML/CSS, JavaScript, Box2D, p5.js, GIT

### Evolution Simulator (05/2018 – 08/2018)

- Built a realistic physics environment for evolution simulation.
- Developed a creature for the simulation.
- Implemented Neural Networks and Genetic Algorithms.
- Utilized: HTML/CSS, JavaScript, Matter.js, TensorFlow.js, P5.js

### KU BOT (11/2017 – 01/2018)

- Built a messenger bot to ease the communication between teachers and students of KU.
- Created a platform for teachers to be able to add courses and students able to subscribe the course using predefined commands.
- Developed platform for administrative officers to be able to create profiles and post notices like fee deadlines or proposal/report submission deadline.
- Utilized: HTML/CSS, JavaScript, Node.js, Express.js, MySQL

### KURA (Kathmandu University Requests & Answers)

(05/2017 – 08/2017)

- Built a forum for KU students to discuss formal questions regarding their courses.
- Register KU students with valid email and upvote/downvote feature.
- Utilized: HTML/CSS, Bootstrap, Node.js, Express.js, MongoDB, Cloud Storage, Heroku

### Sudoku Solver (10/2016 – 02/2017)

- Built sudoku puzzles with different levels of difficulties.
- Created user-friendly interface using C++ and Qt framework.
- Utilized: C++, Qt framework, Adobe Photoshop

## WORK EXPERIENCE

### Freelance

Fiverr

11/2017 – Present

#### Achievements/Tasks

- Built multiple responsive static websites.

## SKILLS

Communication

Problem Solving

Team Work

Flexibility

Confidence

Self-management

## TECHNICAL SKILLS

### Tools

*Proficient*: iTerm, Visual Studio Code, Git, GitHub, Node.js, P5.js, jQuery, Cheerio.js, Heroku

*Familiar*: Vue.js, MATLAB, TORA, Prolog

### Languages

*Proficient*: JavaScript, Python, HTML, CSS

*Familiar*: C, C++, MySQL, MongoDB

### Frameworks

*Proficient*: Bootstrap, Flask, Express

*Familiar*: TensorFlow, Qt, Box2D, Matter.js

## SOLO PROJECT

### Kantipur Web Scraper

- Developed web crawler that extracts latest news from Kantipur without ads.

### Perlin Noise

- Created a two-dimensional flow field with p5.js library.

### Simon Game

- Implemented jQuery to develop Simon game.

### Quick Sort Visualization

- Built sorting visualization with P5.js library.

### Twitter Bot

- Developed auto like and retweet twitter bot.

## INTERESTS

Web Development

Machine Learning

Technology

Nutritional Health

Human Psychology