

Sangam Kumar

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• +91 7602054727 • 103, Prefab II, NITSKM, South Sikkim, India

Work Experience

GSoC Software Developer, coala.io

April 2018 - Present

- Worked on the enhancement of automated tests of static analysis tools, coala-bears, and base class of their tests.
- Created 2 bears(static analysis tools) for Ruby and 1 bear for Crystal by wrapping Brakeman, Fasterer and Ameba respectively.
- Tech: Python3, pytest, unittest, coala.

Research Intern, ACS Lab, IIT Mandi

November 2017 - January 2018

- Developed a solution to fetch sensor's data deployed under soil and save it to the database for the low-cost landslide early warning solution.
- Created a solution to predict landslide by using z-score of total collected soil movement's data and send alert to people, using message API (Twilio).
- Full stack developer: primarily worked on web backend(PHP/MySQL), Arduino, and frontend (HTML/CSS).

Summer Trainee, MNNIT Allahabad

June 2017 - July 2017

- Developed a web application for the workshop registration.
- Tech: Java, JSP, Bootstrap and MySQL.

Web Developer, Web Development Cell, NIT Sikkim

January 2017 - Present

- Lead - Image Processing Team
- Developed institute's website deployed at <https://www.nitsikkim.ac.in>
- Maintainer - <https://placement.nitsikkim.ac.in>
- Tech: PHP, Javascript, MySQL, Bootstrap, Adobe Photoshop, Illustrator.

Education

National Institute of Technology Sikkim, Ravangla, India

August 2015 - May 2019

B.Tech. (Bachelor of Technology), Computer Science and Engineering

Projects (All projects available on git: <https://www.github.com/sangamcse>)

My PNR Status (June 2018)

- Created Indian Railways journey ticket's PNR status provider using Command-line Interface.
- Tech: Python3, Indian-rail API.

Mini Calculator for iOS (July 2018)

- Created a basic calculator for iOS devices using Swift.

Beginner Snake Game (March 2018)

- Created a snake game using python2.7.

Online Examination System (October 2017 - November 2017)

- Provides a web interface to perform online examination, eliminating manual distribution of marks.
- Tech: PHP, Bootstrap, MySQL.

Skills

Languages

Python, C, Java, C++, PHP, Swift

Tools/Frameworks

Pytest, OpenGL, L^AT_EX, Git, Unix-System, and familiar with Numpy, Keras and Matplotlib

Web Development

Django, MySQL, PostgreSQL, Javascript(AngularJS, Node.js), HTML, Bootstrap and CSS

Relevant Courses

Data Structure and Algorithms, Operating System, Computer Graphics, Computer Networks, Databases, Automata Theory, Distributed Computing, Software Engineering, Computer Organisation

Hobbies

Contributing to Open Source, Traveling, Photography