

Rishabh Nautiyal

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Education

City University of Hong Kong

Major: BSc. in Computer Science
College of Engineering
Cum. GPA: 3.7
Awarded 3 Deans Lists

Brightlands School, Dehradun

Grad. March, 2018 | Dehradun, India

Links

- <https://github.com/rishabh-nt99>
- <https://www.linkedin.com/in/rishabh-nautiyal>
- <https://www.rishabhnauiyal.com>

Achievements and Extracurricular

- City Hack: Hackathon 2020 Winner
- Indian Students' Association: External Vice President
- Google DSC: Member
- Change the Code: Tech Head
- AIESEC: Exchange Participant Manager

Skills

SOFTWARE DEVELOPMENT

Java • C++ • Python • Typescript • HTML5/CSS/JavaScript • NodeJS • ReactJS • Redux • SQL Visual Paradigm • (JUnit) Testing Cucumber • Gherkin • SDLC

DATA SCIENCE

Python • NLP • TensorFlow • PyTorch • SKLearn • Weka • SQL • VBA • Numpy • Pandas • Scikit learn

Experience

PEEBA | Full Stack Developer

June 2021 - Present

- End to end feature development for webapp using ReactJS, Redux, Material UI, and Node JS along with PostgreSQL backend.
- Migrated Email Campaign from Mailchimp to SendGrid saving company approx. USD 250 per month.
- Developed task automation pipelines using Airflow scheduling.
- Developed Docker images and deployed them in k8s containers.
- Reduced website loading times by 3x.

Hospital Authority | Student Programming Intern

Sep 2020 - May 2021 |

- Webapp development in React and Dotnet, with SQL.
- POC project for webapp migration to open-source technologies like MySQL.
- Software Testing in Java via TestNG on Cucumber framework.

Dr. Xu, City University of Hong Kong | Technical Intern

Feb 2020 - Aug 2020 |

- Designed and developed a website for a research project on Computational Linguistics with a corpus of over 200 files.
- XML data extraction and analysis using Python

E-dible (New Delhi) | Part-time Developer

June 2019- August 2020 |

- Fully developed and launched a blogging platform WordPress.

SDS, CityU | Web Developer

Feb 2019 - Aug 2019 |

- Fully developed a dynamic online photo gallery to showcase events held by SDS.

Projects

Othello Game

This involves a CLI based game using Java while implementing specific design patterns like singleton, state and command pattern and software Testing using Junit.

Credit Card Fraud Detection

This involves the use of XG-Boost, Decision trees and Random Forest ensemble method. This is especially significant in a time like this due to the huge number of online transactions that are taking place.

Space Allocation System

Created a restaurant reservation system using Java while implementing specific design patterns like singleton, state and command pattern. The program allows user to book suggest and assign tables according to the number of people.

ISA Website: Project Manager

Lead a development team to develop and manage the website for Indian Students' Association CityU.

Final Year Project (in Progress)

My final year project is based of implementing Federated Learning Models to predict bioactivity data of potential drugs against target genes to solve the problem of collaboration in the Medical Industry.