Rishabh Nautiyal

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Education

City University of Hong Kong
Major: BSc. Computer Science
College of Engineering
First Class Honors
Awarded 3 Deans Lists

Bright Lands School, Dehradun
Grad. March, 2018| Dehradun, India

Links

- https://www.rishabhnautiyal.com
- https://www.linkedin.com/in/rishabh-nautiyal
- https://github.com/rishabh-nt99

Achievements and Extracurricular

- City Hack: Hackathon 2021, 2022 Winner
- HackUST 2022: Engagement Award
- Indian Students' Association: External Vice President
- Google DSC: Member
- Tech Head: Change the Code
- AIESEC: Exchange Participant Manager

Skills

SOFTWARE DEVELOPMENT
Java• C++ • Python •Typescript • HTML5/CSS/JavaScript • NodeJS • ReactJS • MUI (Material UI) • Redux • SQL • Visual Paradigm • (Junit) Testing Cucumber • SDLC

DATA SCIENCE
Python • NLP • TensorFlow • PyTorch • SKLearn • Weka • SQL • VBA • NumPy• Pandas

Experience

Crypto.com | Fresh Graduate Full Stack Developer (NFT Platform)
Offer Rescinded due to current market changes.

Peeba| Full Stack Developer (Summer Intern + Part-time)
June 2021 – May 2022
- 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 2x.

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.

SDS, CityU | Web Developer
Feb 2019 – Aug 2019 |
- Fully developed a dynamic online photo gallery to showcase various events.

Projects

Privacy Preserving Collaboration System for Drug Discovery
- Created a progressive web application to facilitate collaboration among pharmaceutical companies in drug development research.
- Implemented Federated Learning to completely remove the need to share the collaborator's data.
- Developed a React and NodeJS application with a Flask Server.
- Application fully deployed on Netlify and Heroku
- This simple and scalable collaboration system serves as a blueprint that can be extended to many industries.

Othello Game
- A CLI based implementation of Othello game using Java.
- Implementation used specific design patterns like singleton, state and command pattern and the was software tested using JUnit.

Credit Card Fraud Detection
- The project used ML techniques such as XG-Boost, Decision trees and Random Forest ensemble method for credit card fraud detection.

Space Allocation System
- Developed a restaurant reservation and table allotment system using Java.
- Project implemented important design patterns and principles.

ISA Website: Project Manager
- Lead a development team of 4 students to build a web-platform for ISA.