# Avinash Karhana

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## EDUCATION

**Hemvati Nandan Bahuguna Garhwal University (A Central University),** Srinagar, Uttarakhand, India

*Bachelor of Technology in Computer Science and Engineering*

JULY 2016 - OCTOBER 2020

- ➤ Scored a CGPA of 7.58/10
- ➤ Graduated with the First Division.
- ➤ Among the top 6 students of CSE course in the University.

## TEST SCORES

*IELTS: 7.5*
*GRE: 151 (Verbal Reasoning), 156 (Quantitative Reasoning)*

## EXPERIENCE

*Software Engineer,* **Replicon Software Inc.**
Bangalore, Karnataka

MAY 2021- AUG 2022

- ❖ Worked in MarketPlace Integrations team
- ❖ Developing integrations for cloud-based applications using agile methodology

*Software Engineering Intern,* **Coracle Infotech India Pvt. Ltd.**
Ghaziabad, Uttar Pradesh

JULY 2019 - SEPT 2019

- ❖ Developed a PHP based Licensing System
- ❖ Operated as the *team lead* and created an automation bot named "Mass Whatsapp Texting bot" using 'Selenium WebDriver'.
- ❖ Managed 2 subordinate interns on the same project.

*IT Trainee,* **ISRPL (J.V. IOCL India, TSRC Taiwan)**
Panipat, Haryana

JUNE 2019 - JULY 2019

- ❖ Worked as a subordinate to IT Manager of the Admin and Manufacturing block of the plant.
- ❖ Developed "Trainee Management System" with Python on Django (MVC based web framework) for 'Training Department' and others to support in-app messaging between trainees and mentors.

## EXTRAS

- ❖ Founded University Computer Science Student Research Club (2018) with other 5 members.
- ❖ Served as a volunteer and passed Certificate B in National Service Scheme (2017 to 2020).
- ❖ Constant contributor in the OpenSource community.

## SKILLS

**Primary:** Python
**Hands-on via projects:**
Node.js, React.js, PHP, Java, Selenium WebDriver, Linux, MySql, Postgres, Javascript, C, C++, Django, Terraform, SAP CPI

## PROJECTS

### iWAF (Intelligent web application firewall)
[Research paper under peer review]

- ❖ Socket Programming (Python)
- ❖ Machine learning (Keras)

### Blockchain-based Digital Certificate Storage and Management System

- ❖ Socket Programming (Python)
- ❖ Hashing

### Dependency Fixer 🔗

- ❖ A pip based python module for in-script mass dependency installer.

### Py-HTTPS 🔗

- ❖ A simple yet feature-rich python HTTPS development server module.

*\*\* All the above packages are Available on PyPI under respective names.*

## RESEARCH & PUBLICATIONS

### Data Security Framework for Data-Centers