

425, Hukumchand colony, Indore (MP)

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### Education

#### Birla Institute Of Technology and Science, Pilani

Pilani, RJ

B.E. (Hons.) | CGPA 7.68/10.0

• Relevant Courses: Object Oriented Programming, Operating Systems, Machine Learning

**CBSE Class XII (Science)** Indore, MP

SHREE VAISHNAV ACADEMY | 92.2% 2015

Skills

Languages Javascript, Typescript, Python, Java, ETFX

Tools/Frameworks AWS, Kubernetes, Docker, Gitlab, Node.js, Express, mongoDB, Redis, Flask, mocha, Pytest, Sentry, Graphana,

OpenTelemetry, SpringBoot, Maven, Junit, mockito

## **Experience**

Hyperverge Inc. Bangalore, KA

SOFTWARE DEVELOPMENT ENGINEER

June 2020 - present

- · Worked on enhancement of microservice architecture and created a cloud-agnostic stack for SEA nations. Setup CI/CD using Gitlab.
- Converted the synchronous architecture to Asynchronous event-based architecture thereby reducing response times by about 40%.
- Set up performance monitoring system with elasticsearch as well as alerts using graphana and opsgenie to achieve 99.9% uptime.
- Used tools like sentry, opentelemetry as well as set up test environment to reduce 5xx error rates to almost zero.

Morningstar, Inc. Mumbai, MH

TECHNOLOGY INTERN Jul 2019 - Dec 2019

- Developed micro-services and RESTful APIs using AWS components such as s3, lambda, dynamoDB, CloudWatch, Splunk, etc.
- Performed extensive integration testing as well as unit testing for the same JUnit 5 and mockito framework.
- Participated in AWS DeepRacer Challenge, trained autonomous race car using Reinforcement Learning, best lap-time = 10.19 s.
- Recognition: Awarded Morningstar monthly SPOT Award for September 2019.

### **Central Electrical Engineering Research Institute (CEERI - CSIR)**

Chennai, TN

RESEARCH INTERN

May 2017 - Jul 2017

- Worked on "Embedded Wireless-Enabled Plastic Waste Sorting System" using python language and Raspberry Pi Operating System.
- Implemented Spectral Angle Mapping Algorithm to segregate different kinds of plastics by comparing their NIRS spectra.
- · Developed a GUI in python using tkinter toolkit for remote monitoring, spectral data collection and information management.

# **Academic Projects** \_

AN OPTIMIZATION MODEL FOR VRP IN DELIVERY OF NON-PERISHABLE GOODS - Implemented optimization algorithms like Intra-route Local Search, Inter-route Local Search and TABU Search that provide a sub-optimal solution to this NP-hard problem. Compared Cost and CPU-time metric and effect of instance size.

Aug 18 - Dec 18 CORPORATE CREDIT RISK ASSESSMENT USING MACHINE LEARNING AND STATISTICAL METHODS - Analyzed determinants of Credit default risk and modeled default risk behavior of firms to improve accuracy of default predictions. Achieved a training accuracy of 80.78% using an ensemble of SVM, Decision tree and KNN classifier.

# Leadership

Jan 18 - May 18 Project Leader, Gyanbodh (Baas), Nirmaan Organization, led a team of more than 20 volunteers working for holistic and sustainable development of Baas community having 600+ beneficiaries.

### Honours & Awards

- KVPY Fellowship (Awardee), Dept. Of Science and Technology (DST), Govt. of India
- NTSE Scholarship (Awardee), National Council Of Educational Research And Training (NCERT), Govt. of India 2013
- 2012 National Standard Examination in Junior Science (NSEJS) (Cleared), Indian Association of Physics Teacher (IAPT)

APRIL 10, 2021