

Nishchay Parashar

UNDERGRADUATE STUDENT, COMPUTER SCIENCE & ENGINEERING · DEVELOPER · COMMUNITY LEADER

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Work Experience

Samsung Semiconductor India R&D Center

Bangalore, India

SOFTWARE DEVELOPER INTERN

Jan. 2020 - Present

- Part of the team developing Composable Infrastructure and Hybrid Cloud solution to be used by the Samsung R&D centers across the globe.
- Cleared Samsung's Software Competency Test: Advance Level, the highest level possible for interns.
- Worked extensively on forward looking concept of Composable Infrastructure and employed established open-source tools like OpenStack, Puppet-Razor, Juju and Django.

Physiz AgTech

Mumbai, India

SOFTWARE DEVELOPER

May 2019 - Jul. 2019

- Worked on backend development for the company's core product implementing multiple major features and developing 30+ API routes enabling the team to stay on track for their global release.
- Designed and built an automated testing solution from scratch using Mocha and Chai.js increasing code coverage from 0% to over 60%.
- Took on DevOps responsibility by setting up CI/CD, Kong API Gateway and managing IoT devices over the cloud through Balena.

Nebula Infomatique

New Delhi, India

WEB ADMIN

May 2017 - Jul. 2017

- Developed company website (<http://nebulainfomatique.com>) along with setting up mail servers and providing tech support and training.
- The website has a Google speed score of 97(Mobile) & 100(Desktop) while the competitor's website has a score of 5(Mobile) & 63(Desktop).

Projects & Skills

DAMN - SSH Keys Distribution and Management Network

SKILLS: GOLANG, GIT, DATABASE MANAGEMENT, SERVER MANAGEMENT, SHELL SCRIPTING, OAUTH, API DEVELOPMENT, ORM

- Developed web application for securely requesting, granting and revoking access to servers by managing the SSH keys of all node servers through one single central server on the go with the provided web portal.
- Developed the complete backend using Golang while working with various APIs, OAuth protocol, scripting, databases and other technologies.

Golang Compiler

SKILLS: COMPILER DESIGN, DATA STRUCTURES, ALGORITHMS, C/C++, FLEX, BISON

- Developed a partial compiler(lexical analyzer) with error reporting and error recovery for Go(Golang) programming language.
- Developed a complementary web-application for end-to-end demo of the compiler currently hosted on <https://gocompiler.nishchayp.me/>.

FIFAWC - CLI App

SKILLS: GOLANG, BASH, API INTEGRATION

- Developed a Command Line Interface (CLI) app using Golang and web APIs to track the FIFA World Cup 2018 by getting live scores, fixtures, team details and other statistics right from the terminal.

Task Queues Implementation

SKILLS: PYTHON, FLASK, RABBITMQ, CELERY, SQL, DOCKER, DOCKER-COMPOSE

- Since uploading large data sets handicaps the server to process further requests, used Celery to implement task queues with RabbitMQ as the broker so as to allow the uploading of data sets to be an asynchronous task with the option to check the status and revoke task.

Education

Manipal Institute of Technology

Manipal, India

B.TECH. IN COMPUTER SCIENCE AND ENGINEERING

Aug. 2016 - Exp. Jul. 2020

- CGPA: 8.58(Scale of 10.0).
- Teaching assistant for special course comprised of material from Data Structures (CSE 2103), Design and Analysis of Algorithms (CSE 2202) and other technical interview related topics.
- Lead a community of 2500+ students as General Secretary of the university's official Computer Science club.
- Recognized by GitHub Education as one among the then less than 250 Campus Experts across the globe on the basis of community building, community management and software development skills.
- Relevant courses: Algorithms, Data Structures, Software Engineering, Computer Networks, Database Management, Computer Architecture.

Mount Carmel School

New Delhi, India

HIGH AND SECONDARY SCHOOL EDUCATION

2002 - 2016

- CBSE 12th class: 91.2% and CBSE 10th class: 9.4 CGPA(Scale of 10.0).
- Elected as Head Boy for the year 2015.