Swapnil Saxena

Computer Science

A detail oriented software engineer having keen interest in backend development.

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EDUCATION

B.Tech - Computer Science (Final Year)
Jaypee Institute of Information Technology

06/2017 - 06/2021   *CGPA 7.9*

Secondary & Sr. Secondary School
Delhi Public School Indirapuram

06/2013 - 06/2017
Performance
- 12th standard 94.2%
- 10th standard 91.2%

PROJECTS

Video Forgery Detection using ML (minor project) (01/2020 - 06/2020)
- **Python**, Tensorflow.
- Used deep learning to classify a video as forged or not.
- Proposed a proprietary feature to detect anomalies.

Video Multicasting
- **Python**, Sockets (UDP).
- Designed a proprietary protocol over UDP to multi-cast a real-time video stream.

Attendance Manager - Web Portal
- **PHP**, **MySQL**, JS, CSS.
- Database design.
- Mark, update and access attendance, login for different types of users, add/delete students/teachers/courses etc.

Forensic Records Archive
- **C++**, OOP, Software Development.
- Designed classes of multiple types of users using object oriented techniques such as Inheritance, virtual-classes, static-methods, class-methods etc.

WORK EXPERIENCE

Software Developer - Intern
Kommlabs Dezign Pvt. Ltd.

05/2020 - 07/2020   *Noida, Sector-4*
Achievements/Tasks
- Developed an android module in Kotlin to index the file-system.
- Used caching techniques (file-system tree) to dynamically update the index.
- Constant time search for files in a folder. O(1) time complexity.

SKILLS

Python   C / C++   OOPs   Data Structures
Algorithms   Socket Programming   Git
MySQL   Tensorflow

ACHIEVEMENTS

Facebook Hackercup 2020
Ranked 2120 out of 32699 competitors in facebook hackercup qualifier round.

Google Hashcode 2020
Secured a rank of 2516 among 10300 competitors in round 1.

Reply Code Challenge 2020
Ranked 241 out of 2862 teams in a competition to optimize a problem having a non deterministic solution.

ORGANIZATIONS

IEEE Student Branch
Volunteered for technology and management related tasks that happen in background so the show goes on.

Internal Complaints Committee (ICC), JIIT
Member, ICC. Discussing policies regarding workplace, designed posters for effective communication.

CERTIFICATES

Text Retrieval and Search Engines (06/2020)
Authorized by University of Illinois at Urbana-Champaign and offered through Coursera.

Natural Language Processing (08/2020)
NLP with vector-spaces, Probabilistic-Models and Sequence-Models by Deeplearning.AI

Introduction to Git and Github (09/2020)
Introduction to git and github, authorized by Google.

INTERESTS

Information Retrieval   Machine Learning
Natural Language Processing   Big Data