Shubham Swami

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Education

- **Utah State University, Logan UT** *Aug'19 - present*
  MS-Computer Science ***GPA:3.88*** (*Expected Aug 2021)*
- **Institute of Engineering and Technology, DAVV University, India** *Aug'13-May '17*
  Bachelor of Engineering – Electronics & Instrumentation Engineering ***(%): 74/100***
- **Relevant Coursework:** Advanced Algorithms, Object Oriented Software Development, Data Structures, Introduction to Database Systems, Parallel Computing, Distributed Systems, Advanced Databases, and Intelligent Systems.

Professional Experience

- **Utah State University, Logan UT** *Jan'20– present*
  Graduate Teaching Assistant:
  Awarded a GTA position starting spring'20 for Methods in Computer Science and Operating Systems Course.
- **Accenture Solutions Pvt. Ltd.** *May 2017 – Sept. 2018*
  Associate Software Engineer:
  - Developed client requirements and improved the application performance.
  - Worked on Power Builder to Java/Angular migration following the agile methodology.
  - Developed Angular controllers, resolved bugs in the existing program and implemented the missing functionalities.
- **Bharat Sanchar Nigam Ltd.** *May 2016-July 2016*
  Summer Intern:
  - In-plant Internship for assimilating the latest telecom technologies.
  - Learnt the practical usage of latest telecom technologies like Telecommunication Networks, Optical Fiber Communication and Broadband Technologies.

Technical Skills

- **Programming Languages**: Java, Python, JavaScript, Golang, Shell Script, Typescript.
- **Database**: MySQL, SQLite, CouchDB, XQuery, Data log-DES, Neo4j (Graph DB) and NOSQL.
- **Frameworks, Libraries and Tools:** Spring5, SpringBoot, Thymeleaf, Hibernate, Kubernetes, AWS
- **Web-Development Technologies**: React, AngularJS, Bootstrap, jQuery, HTML, CSS,

Projects

COVID-19 Chest Xray Image Classification: Python, Tensorflow Nov'20 – Dec'20
- Predicting COVID-19 based on the chest Xray images of the patients.
- Implemented code to apply Random Forests, Decision Trees, ANN models, CNN models and Ensemble networks for chest Xray classification.

Interactive Shell: Java, Gradle Sept'20- Oct'20
- Designed a shell, that presents a command line interface which allows you to control your computer using commands.
- Provides some essential functionalities of the bash and works as an interpreter for Linux, Windows, and macOS.

COVID-19 Tracker Application: Java, SpringBoot, Thymeleaf, Bootstrap *Aug'20-Sept'20*
- A web application that tracks the number of corona virus cases, changes in the cases, recoveries, and deaths across the globe.
- Fetches the data from a GitHub repository by making an http request.
- Renders the fetched data to UI using Thymeleaf templates.

Sudoku Solver Desktop Application: Java, Junit, JavaFX *Oct'19 – Nov'19*
- A desktop application to play a 9X9 sudoku puzzle with an efficient solver algorithm.
- Used the object-oriented paradigms like abstraction, modularity, and encapsulation principles.

Tello Drone Project: Java, Socket Programming *Aug'19 – Oct'19*
- A console app with a simulator that commands the tello drone to perform corresponding movements by passing commands through command line.
- Used object-oriented software development practices along with the design patterns and followed the agile cycle with complete unit testing and code review.