

Shubham Goyal

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EDUCATION

SANTA CLARA UNIVERSITY

MS IN COMPUTER SCIENCE

Expected June 2017 | Santa Clara, CA
Cum. GPA: 3.84 / 4.0

BHILAI INSTITUTE OF TECHNOLOGY

BE IN COMPUTER SCIENCE

May 2012 | Durg, India
Cum. GPA: 7.55 / 10.0

LINKS

Github:// [goyal-shubham](#)
LinkedIn:// [sgoyal1](#)
Hackerrank:// [s_goyal](#)

COURSEWORK

GRADUATE

Data Mining and Pattern Recognition
Distributed Systems
Object Oriented Design and Analysis
Design and Analysis of Algorithm
Computer Architecture
Mobile Application
Development(Andorid)

UNDERGRADUATE

Operating Systems
Computer Networks
Computer Graphics
Data Structures
Database Systems

SKILLS

PROGRAMMING

Proficient :

Java • Shell • C++ • Android • MySQL

Familiar :

• C • Python • HTML • CSS • PHP •
Assembly

Beginner :

• iOS

Frameworks :

• Flask • Jersey • SQLAlchemy

Methodologies :

• Scrum • Agile • RESTful • Continuous
Integration

EXPERIENCE

VIRTUAL INSTRUMENTS | SOFTWARE ENGINEERING INTERN

June 2016 – Present | San Jose, CA

- Performed the Rest API Automation across multiple Virtual Wisdom Platforms using TestNG framework in Java.
- Development of an automation framework for appliances to enhance the performance of automated test scripts
- Directly responsible individual (DRI) for entity management component.

TATA CONSULTANCY SERVICES | SOFTWARE ENGINEER

December 2012 – Aug 2015 | Kolkata, India

- Implemented a Java based 2-way SMS system in the existing Fraud Management System for potential fraud transactions.
- Designed the algorithm to send automatic alert messages to the customer's mobile in case of a potential fraud detection.
- Functionality increased the fraud detection by approximately 30%

PROJECTS

YELP IMAGE CLASSIFIER | DATA MINING AND PATTERN RECOGNITION

Sept 2016 – Present

- Developing a Convolutional Neural Network for image recognition using Yelp APIs and dataset. •Working extensively with different data mining approaches of supervised learning to differentiate images on different categories.

YOU TOUR | MOBILE APP DEVELOPMENT

April 2016 – June 2016

- Designing and Development of an Android Application for organizing a self-guided university tour with the use of beacons •Implemented the navigation assistance functionality in android application and configuration of beacons at various location using google maps API. •Setup of google firebase server for getting real time comments and ratings for every location.

SMART CONNECT | OBJECT ORIENTED ANALYSIS AND DESIGN

Jan 2016 – March 2016

- Designed a social network in a web-based Java application that connects people based on an algorithm designed to match people based on ethical scores.
- Implemented complete "Chat" functionality for the project using socket programming for both personal and group chat.

PROCESS SCHEDULING SIMULATOR | OPERATING SYSTEMS

Jan 2016 – March 2016

- Developed a Java based CPU simulator to measure the performance of the different scheduling algorithms in real time. •Researched with MLFQ scheduling algorithm to improve the performance.

REST API ENDPOINTS | SELF LEARNING

Jan 2016 – March 2016

- Developed API endpoints to get restaurant information using flask framework and sqlalchemy library •Implemented security authentication features like OAuth2.0 and token based authorization.

OTHER PROJECTS | SELF LEARNING

- Automated-Gardening-System •Single Cycle CPU •Text Editor