

# SUBARNA JOSHI

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## PROJECTS

### B-Tree

- Created a program that uses a B-Tree to process, store bioinformatics information. Implemented a B-Tree data structure to minimize disk read. Applied Scrum to teamwork for the Program development to get experience with real world software Development process.
- Techs: Java, Eclipse, Git, Zenhub.

### Covid-Tracker Website

- Developed a fully functional website that provide Covid data and record your recent activity and deployed the website. Used Covid API to get the most recent data. Developed the website using Agile process.
- Techs: HTML, JavaScript, CSS, Angular ,Laravel , Heroku

### Software Quality

- Tested functionality of Open Source Software using different test suits generated using black box and white box testing methods.
- Techs: Java Assertion, JavaMop, JML, CASA Tool, Eclipse

## EXPERIENCE

### Help desk Analyst & Classroom Specialist

#### Boise State University

📅 July 2018 – December 2020

📍 Boise, Idaho

- Managed troubleshooting student and classroom issues related to computer systems, software, and hardware.
- Provided latest technology demonstration for faculty to familiarize faculty to class technology.
- Assisted computer users with installing, modifying, and repairing computer software.
- Perform classroom certification to ensure the functionality of all classroom technology.

### Distance Learning Technician

#### Idaho State University

📅 August 2017 – December 2017

📍 Pocatello, Idaho

- Recorded videos of in-person class sessions for satellite campuses and distance learners to access online
- Managed troubleshooting for any Moodle-related issues to help ensure site access for professors and students
- Prepared all technical equipment including wireless microphones, projectors, and laptops to strengthen classroom facilitation
- Trained professors in the use of the digital classroom podium for better implementation of technical features.

## RESEARCH PROJECT

### Informatics Skunkworks

#### Boise State University

📅 August 2019 – March 2020

## EDUCATION

### B.Sc. in Computer Science

#### Boise State University | Boise, Idaho

📅 Jan 2018 - Dec. 2020 📍 GPA: 3.9

### B.Sc. in Computer Science

(Transferred)

#### Idaho State University | Pocatello, Idaho

📅 Aug 2016 - Dec 2017 📍 GPA: 3.83

## PROFESSIONAL SKILLS

### • Programming Languages

JAVA Python SQL HTML CSS  
C# PHP JavaScript C Database

### • Operating systems

windows Mac OS X Linux

### • Development Tools – IDE

Visual Studio VS Code Eclipse  
Android Studio

## RELEVANT COURSEWORK

Data Structures Algorithms  
Software Engineering Software Quality  
Intro to Web Development  
Algorithms of Machine Learning  
Cloud Architecture Database  
Agile and Scrum Development

## HONORS AND CERTIFICATES

### AWS Academy Cloud Architecting

#### AWS Academy

📅 October 2020 – December 2020

### AWS Academy Cloud Foundations

#### AWS Academy

📅 August 2020 – October 2020

### HP Summer Scholar

#### HP

📅 June 2020 – July 2020