Shivangi Agarwal

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SUMMARY

Experienced software designer looking for an opportunity to expand frontend and backend software skills to explore career paths and add value to the company's bottom line.

EDUCATION AND ACTIVITIES

- **B.S., Software Engineering**
  San Jose State University, San Jose, CA – GPA 3.8   Anticipated May 2019
- **Member,** Society of Women Engineering (SWE), 2015 to Present
- **Volunteer**, SWE Nexters Ambassador, 2016 to Present
- **Spartan Hacks**, Attended Hackathon Camp, 2016

TECHNICAL SKILLS

Java, C++, Python, Ruby on Rails, HTML, CSS, Bootstrap, SolidWorks, GitHub, MS Office

RELEVANT COURSEWORK

- Data Structures and Algorithms
- Assembly Language Programming
- Operating Systems

EXPERIENCE

Math Tutor, SJSU, August 2016 to Present
- Provide tutoring to students in variety of topics including Calculus and Discrete Mathematics
- Assist students with diagnosing and resolving problems

Lab Assistant, SJSU, August 2016 to December 2016
- Provide help to students with coding and SolidWorks
- Assist students and help them understand the lab work

PROJECTS

Classify, SJSU   **September 2016 to December 2016**
- Created a website using Ruby on Rails for college students to review courses and professors, and upload study materials
- Used SQLite database for data management
- Gained business acumen, strong marketing and teamwork skills
- Available on - github.com/AShivangi/Classify

Maze Solver, SJSU   **November 2016**
- Created a random maze and solved it using breadth first search and depth first search in Java
- Available on - github.com/AShivangi/MazeSolver

Share a Shack, SJSU   **May 2016 to Present**
- Creating a website to help college students to find accommodation near their college
- Developing front end using HTML and CSS with other teammates

Robot, SJSU   **May 2016**
- Developed a robot to sense infrared signals and move towards it
- Coded the robot to turn off a beacon, find another one with different frequency and bring it out of the arena
- Available on - https://www.youtube.com/watch?v=9uLJYNnjHbo

Sudoku Solver, SJSU   **April 2016**
- Completed the sudoku solver using backtracking method in Java
- Available on - github.com/AShivangi/SudokuSolver