

Shlok Gondalia

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KEY SKILLS

- **Languages:** JAVA, Python, C++, C, JavaScript, ReactJS, HTML, CSS, SASS, C#, SQL, Bash Script, and R
- **Technologies:** Linux, macOS, Windows, React, Bootstrap, Node.js, Jest, Maven, JUnit, Webpack, and Docker/Container
- **Tools:** GitHub, Git, NPM, Travis CI, Code Climate, ZenHub, Slack, and MS Teams
- Strong communication and collaborative skills
- Good at productive collaboration, establishing a productive working relationship, and conflict resolutions
- Knowledge of acceptable industry practices through my jobs/experience and CS classes
- Solid understanding of Data Structures concept and algorithmic skills
- Strong leadership skills through various projects

EDUCATION

Bachelor of Science in Computer Science (Summa Cum Laude)

May 2022

Minor, Mathematics

GPA: 4.0

University Honors Scholar

Colorado State University (CSU), Fort Collins, CO

EXPERIENCE

SECURITY SOFTWARE ENGINEER, AMAZON

JULY 2022 – PRESENT

- Created an ML-based anomaly model which can identify users with an unusual number of HTTP requests [Amazon RCF model (based on Isolation Forest), SentenceTransformers util community detection & sklearn CountVectorizer]
- Designed and implemented a system to cluster security issues in a date range
- This feature will help security engineers prioritize solutions which focus on top risks in Alexa

SECURITY SOFTWARE ENGINEER INTERN, AMAZON

MAY 2021 – AUG 2021

- Design and implemented a smart sampling model for data loss prevention [sklearn DBSCAN & TfidfVectorizer]
- The ML model helped reduce the overall risk 99% of the time
- The initial pilot projected the cost savings of **\$270k/month** for the service team

WEB DEVELOPER, HONORS DEPT. | CSU

SEPT 2019 – MAY 2022

- Maintain and update the website along with various online services that are daily used by over 1700 students, faculty & staff
- Designed and implemented the online process for Formal Thesis which was previously based on papers
- The frontend uses MojoPortal and Bootstrap
- The backend uses .NET and MS SQL Server

RESEARCH ASSISTANT, Computer Science | CSU

AUG 2019 – JAN 2022

- Inspect the quality of data through our tool from five to six organizations to find anomalies
- Upgrade **Python** code to improve the efficiency of the tool
- Work on the tool that can find faults in data accurately without consulting the client
- One of the four authors for the paper published at the IEEE Big Data 2020 conference

CYBERSECURITY INTERN, Cybersecurity Center | CSU

MAY 2020 – MAY 2021

- Work with Fort Collins Energy Department to find premises that show suspicious behavior
- Use LSTM autoencoder tool to analyze data for anomaly detection
- Use plots & diagrams, along with domain expert, to verify the anomalies detected
- Write **Python** scripts & **SQL** Queries to get the desired result from the analyzed data

TEACHING ASSISTANT (CS314 - Software Engineering), Computer Science | CSU

JAN – MAY 2021, JAN – MAY 2022

- Attain students team meetings to help with their daily scrum
- Refine some course content to make it more accessible to students

TEACHING ASSISTANT (CS270 – Computer Organization), Computer Science | CSU

JAN 2020 – DEC 2020

- Worked on grading servers so that there are no issues
- Taught one to two labs a week consisting of 20 students

PROJECTS

PERSONAL WEBSITE

- Recreated my old website in ReactJS
- Made website faster and smaller through conditional rendering
- Used **ReactStrap**, **CSS**, **GitHub**, **Node.js** & **NPM**

TRIP PLANNER (Visit my [website](#) to learn more about this project)

- Created a single page, mobile application, and microservices similar to Google Map where users can plan a trip.
- Semester-long project in a team-based Agile software development environment

MULTIPLAYER CHESS GAME (Visit my [website](#) to learn more about this project)

- Create a mobile responsive, single-page Multiplayer Chess game with microservices.
- In this Chess Game, the users can create their account and log in to play the game with other users.
- Passwords were hashed before storing, and the entire system ran on Authentication Token.

**To know more about the courses I have taken, either ask me and I would be happy to talk or visit my website given above*