

# Shravanth Surapaneni

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**GitHub** – [www.github.com/shravanth1862](https://www.github.com/shravanth1862) **LinkedIn** - [www.linkedin.com/in/surapaneni1/](https://www.linkedin.com/in/surapaneni1/)

## Education

Temple University

Philadelphia, PA

Bachelor of Science in Computer Science

Graduating in May 2021

GPA – 3.57

## Technical Skills

C/C++      Java      Python      SQL      Android Mobile Development

## Work Experience

Temple University, Teaching Assistant - Philadelphia, PA

August 2020 – Present

- Instructed multiple lab sections for Systems & Low-level Programming class, assisting over 50 students in setting up a work environment, solving problem sets related to curriculum, and debugging code
- Communicated regularly with students through email and office hours to provide guidance in program design
- Collaborated with professors to prepare and implement class curriculum and learning objectives

## Project work

Pitched

- Pitched is a web application designed for people who want to plan camping trips, enabling them to create and collaborate in groups to create lists with all their desired information.
- Tech stack includes HTML, CSS, and JavaScript in the frontend and Python, Flask, and MySQL in the backend hosted on an AWS EC2 instance
- Responsible for creating and managing a MySQL database
- Developed a database API for database management in Python
- Wrote API routes in the backend in Python and Flask to work with database API

Movie Reviewer

- Deployed a static website designed for users to rate movies using AWS Amplify
- Used AWS Lambda to write serverless functions
- Connected deployed website to Lambda functions using AWS Gateway
- Created database using AWS DynamoDB and populated the database using the Lambda functions with user ratings

Linux Shell Terminal – C++

- This program is my own implementation of a Linux shell
- Used several parsing techniques to interpret the entered command
- Implemented the command through built-in handlers for file redirection, piping, and background execution through system calls

Network Spell Checker – C++

- This program implements a spell checker by clients connecting to a server using a network connection script
- Services clients using multithreading to simultaneously service each client while accepting new words

## Collegiate Clubs and Activities

Association for Computer Machinery, Member

September 2019 – Present

STARS Computing Corps, Member

September 2019 – Present