

Sarwan Upadhyay

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EDUCATION

Gehu <i>Bca</i>	haldwani Aug 2023 - June 2026
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EXPERIENCE

Undergraduate Research Assistant <i>Texas A&M University</i>	June 2020 - Present College Station, TX
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- Developed a REST API using FastAPI and PostgreSQL to store data from learning management systems
- Developed a full-stack web application using Flask, React, PostgreSQL and Docker to analyze GitHub data

Information Technology Support Specialist <i>Southwestern University</i>	Sep. 2018 - Present Georgetown, TX
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- Communicate with managers to set up campus computers used on campus
- Assess and troubleshoot computer problems brought by students, faculty and staff
- Maintain upkeep of computers, classroom equipment, and 200 printers across campus

Artificial Intelligence Research Assistant <i>Southwestern University</i>	May 2019 - July 2019 Georgetown, TX
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- Explored methods to generate video game dungeons based off of The Legend of Zelda
- Developed a game in Java to test the generated dungeons
- Contributed 50K+ lines of code to an established codebase via Git
- Conducted a human subject study to determine which video game dungeon generation technique is enjoyable
- Wrote an 8-page paper and gave multiple presentations on-campus
- Presented virtually to the World Conference on Computational Intelligence

PROJECTS

Gitlytics Python, Flask, React, PostgreSQL, Docker	June 2020 - Present
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- Developed a full-stack web application using with Flask serving a REST API with React as the frontend
- Implemented GitHub OAuth to get data from user's repositories
- Visualized GitHub data to show collaboration
- Used Celery and Redis for asynchronous tasks

Simple Paintball Spigot API, Java, Maven, TravisCI, Git	May 2018 - May 2020
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- Developed a Minecraft server plugin to entertain kids during free time for a previous job
- Published plugin to websites gaining 2K+ downloads and an average 4.5/5-star review
- Implemented continuous delivery using TravisCI to build the plugin upon new a release
- Collaborated with Minecraft server administrators to suggest features and get feedback about the plugin

TECHNICAL SKILLS

Languages:	Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, R
Frameworks:	React, Node.js, Flask, JUnit, WordPress, Material-UI, FastAPI
Dev Tools:	Git, Docker, TravisCI, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse
Libraries:	pandas, NumPy, Matplotlib