

# Saugat Adhikari

 | [saugat.adhikari@ymail.com](mailto:saugat.adhikari@ymail.com) | [linkedin.com/in/saugat-adhikari/](https://www.linkedin.com/in/saugat-adhikari/) | [github.com/isauadh/](https://github.com/isauadh/)

## Education

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### Texas Tech University

Lubbock, Texas

*B.S. Computer Science / Mathematics (Minor)*

- **Cumulative GPA:** 3.95/4.0
- **Relevant Coursework:** Algorithms, Data Structures, Theory of Automata, Software Engineering, Computer Architecture, Operating Systems, Proof & Mathematical Reasoning, Differential Equations, Probability & Statistics

## Work Experience

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### Cummins Inc.

Indianapolis, Indiana

*Software Engineer Intern / Digital Accelerator*

- Designed & developed a monitoring system to quickly discern the health of the CA/CD (Connected Analytics & Connected Diagnostics) pipelines using native tools to the AWS Cloud Platform, and working as a dedicated SCRUM team
- Facilitated with visual monitoring in the production environment using Amazon QuickSight
- Automated and deployed using AWS CloudFormation
- Retained historical data on CloudWatch Logs to perform analytics using CloudWatch Insights
- Performed Unit testing, Integration testing, System testing, and User Acceptance Testing

### Texas Tech University

Lubbock, Texas

*Undergraduate Researcher / CS Department*

- Programmed a reddit crawler to scrap data of subreddits such as opiates, drugs for study on drug addiction and its recovery
- Cleaned and prepared data using pandas, NumPy modules to manipulate, analyze and visualize user statistics

### Texas Tech University

Lubbock, Texas

*Student Assistant / Hospitality Services*

- Provided Customer satisfaction with in-person interaction to 250+ customers on a weekly basis
- Balanced a rigorous course load with 15-20 hours of employment per week

### Tennessee Tech University

Cookeville, Tennessee

*Professional Tutor / Office of Multicultural Affairs*

- Delivered private tutoring services to 5+ students in C++ programming, Calculus based Physics & Linear Algebra, saving 3 students from academic probation

## Independent Projects

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### Dristi

- Web application that facilitates user with movies released near user location, offers movies based on user preference, and a feature to send invite to friends/family
- Technologies: Flask framework, SQLAlchemy, HTML, CSS

### Communication Problem

- Researched, as part of a team, over 3 different school communication system strategies for a middle school with an average of 800 students
- Pioneered a final deliverable to the audience of 6 stakeholders to persuade Gradelink, a cloud-based student information system

## Leadership

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### Secretary | Nepal Students' Association—Texas Tech University

- Handled correspondence, organized meetings, and logistical fulfillment for 10+ events open for all 100+ association members
- Increased organization funding by 50%

## Skills & Interests

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- **Languages/Technologies:** Proficient in python, Java, C++, and SQL. Familiar with NumPy, Pandas, and JavaScript. Experienced with Git, Amazon Web Services, Docker, Jira, Apache Maven, Junit, Eclipse, VSCode, and Anaconda

## Honor & Awards

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- **Cummins Innovation and Technology Invention Challenge:** 1<sup>st</sup> Runner Up
- **Presidents' List:** 3 semesters | **Deans' List:** 5 semesters
- **Proven Achievers Award:** \$13,000 | **Office of International Affairs:** \$1000 | an academic distinction
- **Sustainability Scholarship:** \$1000 | contribution to sustainability, and involvement in Reduce, Reuse & Recycle at Texas Tech