



www.sourish.dev

Sourish Kundu

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Education

University of Wisconsin, Madison

BS in Computer Science, Data Science, and Economics

Expected Graduation: May 2022

GPA: 3.92/4.00

- Honors Student in the College of Letters and Science
- Relevant coursework: Algorithms, Data Structures, OOP, Multivariable Calculus, Matrix Methods in Machine Learning

Experiences

Leidos – *Software Developer Intern*

Eagan, MN // Jun 2020 to Aug 2020

- Enhanced the message up-level system with the Time-Based Flow Management (TBFM) team to ensure airborne flights receive needed information more readily
- Streamlined efficiency for up-leveling binary message files between old and new releases of TBFM
- Utilized C++ with Linux environment to optimize algorithms for up leveling and ran E2E test cases to ensure accurate results
- Presented to mentors on progress, while receiving feedback through code inspections to improve coding practices

Dine In LLC – *Co-founder and Developer, dineinllc.com*

Madison, WI // Jan 2020 to Present

- Founded startup to help small and medium sized restaurants remain competitive during COVID-19 pandemic
- Pioneered web application using Django and Heroku to allow customers to access contactless menus on phones for a safer dining experience, allowing restaurants to update menus in real-time and reduce wait times by ~14.66 minutes/table

UW-Madison Computer Science Department – *Peer Mentor*

Madison, WI // Jan 2021 to Present

- Conducted weekly office hours and lead labs to aid students struggling with the introductory Python class, ensuring comprehension of labs and projects

Projects

Rap Lyrics Generator – *sourish.dev/rap-generator*

- Trained and optimized OpenAI's GPT-2 machine learning language model on specific artists' rap lyrics to generate lyrics in the style of artist chosen by the user
- Deployed on Amazon Web Services Linux EC2 using nginx and gunicorn for reliable and efficient generation of lyrics

Dining Capacity – *diningcapacity.housing.wisc.edu*

- Launched application for University of Wisconsin-Madison to track real-time capacity of dining halls to ensure a safe dining experience for students during the COVID-19 pandemic using Google Firebase and Google Cloud
- Consulted with dining team to ensure app met all required specifications and timelines

Volunteering

Coding for Good – *Project Lead*

Madison, WI // Feb 2020 to Present

- Facilitated team of five peers to create PyTutor application to augment the learning of introductory Python students
- Developed app to allow users, after seeing a short Python script, to guess which line will run next and what output will be
- Gauged students' fundamental understanding of the Python language as more effective preparation for class exams

Extracurriculars

Federal Reserve Challenge – *Head of Training*

Madison, WI // Sep 2019 to Present

- Prepared and lead training seminars on Python and its libraries such as Numpy, Pandas, and Matplotlib to educate club members on efficient utilization of Python for economic data analysis
- Organized training events for club members to hone key skills for the workplace (e.g. Excel and Bloomberg)
- Coordinated with executive board to help plan upcoming events to ensure an educational experience for club members

Software Development Club – *Executive Board Member*

Madison, WI // Sep 2019 to Present

- Planned and chaired meetings to expose team members various aspects of Computer Science, such as new technologies and languages, professional development, and having speakers with expertise in the field come in
- Presented seminars on various topics ranging from TensorFlow to Git to equip club members with essential tools for industry

Skills and Interests

Languages: Python, Java, JavaScript, C, C++, R, HTML, CSS | Other: Linux, AWS, Tensorflow, Git, Public Speaking