www.sourish.dev

Sourish Kundu

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Education

University of Wisconsin, Madison   Expected Graduation: May 2023
BS in Computer Science, Data Science, and Economics   GPA: 3.939
- Letters and Science Honors Student; National Society of Leadership and Success
- Relevant coursework: Intro to Algorithms, Multivariable Calculus, Intro to Data Structures, Discrete Math

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
- Upgraded 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 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, 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 to allow customers to access contactless menus on phones for a safer dining experience, allowing restaurants to update menus in real-time

Projects

Rap Lyrics Generator – *rap-generator.com*   Eagan, MN // Jul 2020 to Present
- 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*   Madison, WI // Aug 2020 to Present
- 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

Volunteering

Coding for Good – *Project Lead*   Madison, WI // Feb 2020 to Present
- Facilitated team of five peers to develop application to augment the learning of 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 fundamental understanding of the Python language to better prepare students 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 smooth experience for club members

Software Developer 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, interview prep, and having speakers with expertise in the field come in

National Speech and Debate Association – *Member of Premier Distinction*   Eagan, MN // Sep 2015 to Jun 2019
- Speech – *Captain, Varsity competitor*
  - National Quarterfinalist (Top 30) in International Extemporaneous Speaking
  - Executed practices and meetings for nationally ranked team of 100 kids to make team more competitive
  - Earned the Academic All-American Award from the NSDA due to high performance in speech and academics

Skills and Interests

Languages: Python, Java, JavaScript, C++, HTML, CSS | Other: Linux, Tensorflow, Git, Django, Numpy, Pandas, Public Speaking