Contact

www.linkedin.com/in/
antarabhowmick (LinkedIn)

Top Skills

C++

Python

Machine Learning

Languages

English (Native or Bilingual)

Hindi (Native or Bilingual)

Bengali (Native or Bilingual)

Certifications

Machine Learning

VTC Online Training on AngularJS

Honors-Awards

Amazon Alexa Prize 2018 Winner

Publications

Analyzing Population Data to Predict the Literacy Rate in Tamil Nadu

BugSwarm: Mining and Continuously Growing a Dataset of Reproducible Failures and Fixes

Antara Bhowmick

Amazon Alexa Prize '18 Winner | Actively seeking full time opportunities | MS CS @ UC Davis
Davis, California

Summary

I'm pursuing a Master's degree in Computer Science at the University of California, Davis and looking for full time opportunities in Software Engineering and Data Science from June '19.

I'm currently working as a researcher with Dr. Cindy Rubio González, on problems in static program analysis and error propagation in MPI libraries. I also worked on the classification pipeline of Bugswarm, a toolkit which enables the creation of a scalable, diverse, realistic and continuously growing dataset of reproducible failing and passing versions of open-source projects.

Additionally, I participated in (and won!) the Amazon Alexa Prize 2018 competition as a member of our UC Davis team, Gunrock. My main contribution was the animal/pets sub-system, which was consistently in the Top 2 most popular topics and garnered good user ratings throughout the competition. The project was implemented using Docker, AWS and Python, and we followed an Agile development pattern.

I have also previously interned at Medyug Technologies as a Machine Learning Engineer, where I worked on extracting information from electronic health records using Natural Language Programming, and used that information to populate patient record databases. The majority of this work was implemented using Python, Stanford's CoreNLP libraries, and OpenCV.

My main areas of interest are machine learning and data science, and I'm looking for full time opportunities from June '19 which allow me to explore more in these fields.

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Experience

University of California, Davis
2 years 3 months

Graduate Student Researcher
June 2018 - Present (1 year 10 months)

Working with Dr. Cindy Rubio González on

- Development of an automated classification system for real bugs mined from open-source projects.
- Program analysis to detect error propagation bugs in MPI Libraries

Teaching Assistant
January 2018 - June 2018 (6 months)

Teaching Assistant for ECS30: Programming and Problem Solving for Winter '18 (Jan-Mar) and Spring '18 (Apr-Jun)

Responsibilities included:

• Conducting weekly discussion sections for students

• Holding weekly office hours

• Grading homework assignments and exams

• Holding interactive grading sessions

Medyug Technology Pvt Ltd
Machine Learning / Natural Language Processing Intern
January 2017 - April 2017 (4 months)
Bengaluru Area, India

Worked on entity extraction from EHR (Electronic Health Records) using Image Recognition and Natural Language Processing.

Technologies used: Python, OpenCV, CoreNLP

The Climber
School Relations Manager
February 2015 - March 2016 (1 year 2 months)

Ranked by IIM Bangalore as the best student run Start Up in BzzWings 2015, The Climber is a start up that helps students to follow their passion.

I managed a team of 11, and coordinated with 6 schools to organise the event 'I' for high school students

National Informatics Center
Software Development Intern
June 2015 - June 2015 (1 month)
New Delhi Area, India

Built an application which allows administrator to add, delete or modify clients of a local intranet system.
Developed using Java, MySQL for backend and HTML/CSS/JQuery for frontend.

Education

University of California, Davis
Master of Science - MS, Computer Science · (2017 - 2019)

SRM University
Bachelor of Technology (B.Tech.), Computer Science · (2013 - 2017)

Amity International School, NOIDA
 · (1998 - 2013)