BURDE PRERANA KAMATH

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OBJECTIVE

To obtain a part-time job opportunity that utilizes my computer science knowledge and analytical skills combined with an optimistic attitude to gain career experience in Computer Science.

EDUCATION

Indiana University, Bloomington, IN   *May 2018*
Master of Science in Computer Science, CGPA: 3.52/4.0
Associate Instructor for the course Information Infrastructure
Member of Indiana Women in Computing Association

BITS - Pilani, Dubai, United Arab Emirates   *June 2016*
Bachelor of Engineering in Computer Science, CGPA: 8.26/10.0
Leadership: Captain of the Table Tennis team 2012-2016, Captain of the Volleyball team 2015-2016
Core member and editor for ACM.

TECHNICAL SKILLS

Programming Languages: Python, Java, HTML5, CSS, JQuery, Angular JavaScript
Tools/Applications/Framework: Django, Spring, Hibernate, WordPress, Bootstrap
Database: MySQL

EMPLOYMENT

Legislative Services Agency |Software Developer Intern | Indianapolis, USA   *January 2018 – Present*
- Turning use cases/design specifications into business products.
- Coding, testing, and debugging new software or enhancements to existing software.
- Creating automated tests in support of existing or new software.

Levtech Consulting | Intern | Dubai, UAE   *June 2014 – August 2014*
- Worked with Microsoft Dynamics on CRM and leveraged their dynamics product suite.
- Created case studies to acquire customers and resolve business intelligence problems such as storing data securely.
- Constructed cloud solutions to track production and the risks associated.

PROJECTS

Darn Good Soup Website   *December 2017*
- Building a website for Darn Good Soup to increase their outreach to customers through data trends obtained from the site.
- Collaborating text messages to customers about their favorite soups according to the menu of the day.

Weather Prediction System   *November 2017*
- Building an application to predict the weather for the upcoming dates.
- Working on REST API's and microservices to make it an end-end application.

Natural Language Processing   *November 2017*
- Determined users' stance about target topics on Twitter using Computational Linguistic Analysis, with the objective of accelerating market research about customer opinions in real time.
- Generated the Part of Speech tagger using Bayes Net, Hidden Markov models and the Variable Elimination algorithm.

8451 Hackathon   *August 2017*
- Assessed the helpfulness of the user reviews for products using the Amazon Food's dataset through word embeddings and a bag of features (sentiment analysis, frequency of keywords, keyword density, length of review, binary features)
- Programmed a web scraping and automated ingredient annotation to match ingredients for recipes.

VMware CodeHouse Hackathon Challenge   *July 2017*
- Developed a web application using Clarity Design system, to increase diversity in technology by tackling unconscious bias.
- Collaborated globally on projects through hidden identities to help increase sponsorship and technical depth.

e-Commerce website   *June 2017*
- Launched an e-Commerce website to encourage entrepreneurs financially and attract investors looking to invest in startups.
- Developed a kick starter-style web application using a waterfall model.

RESEARCH WORK

Indiana University | Summer Research Intern | USA, Bloomington   *May 2017 - Present*
- Building human like intuition in embodied machines under Prof. Eduardo J. Izquierdo in the field of cognitive sciences.
- Developed and programmed a Microbial Genetic Algorithm to help in evolution.
- Programming recurrent continual neural networks to imitate neurons in the human brain.
- Embodying the network built into a machine for testing.

Red Cell Morphology Classification | USA, Bloomington   *August 2017 – Present*
- Classifying the impact of lipids on red cells through image analysis using neural networks in tensor flow.