Pankhuri Kumar

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LINKS

Twitter: @pankhurikumar23
Github: **pankhurikumar23**
LinkedIn: **pankhurikumar23**
Medium: @pankhurikumar23
Instagram: _pankhurikumar23

SKILLS

Programming
C • C++ • Python • Git • LaTeX
Web Design
Javascript • HTML/CSS • D3 • P5
Mapping
Mapbox • Leaflet • QGIS
Analytics
SQL • Matlab • R • REST APIs
Multimedia
Adobe Audition • Adobe Lightroom • Adobe Photoshop
Languages
English • Hindi • Spanish

AWARDS

2016
2nd place - GE Digital Interns Hack-a-thon
2012
99 percentile - Inspire Scholarship for Higher Education by Govt. of India
2012
99.9 percentile - CBSE Merit Certificate in Physics

REFERENCES

ANN K. COOPER
Professor,
Columbia Graduate School of Journalism, 212-854-9696
akc24@columbia.edu

GALEN STOCKING
Computational Social Scientist
Pew Research Center
GStocking@pewresearch.org

TECHNICAL PAPER

Hybrid Variational Autoencoder for Collaborative Filtering
https://arxiv.org/abs/1808.01006 [cs.IR] A research paper on improving movie recommendations using IMDb data.

EDUCATION

COLUMBIA UNIVERSITY | Dual M.S. in Journalism & CS
May 2019 | New York, USA
Intensive coursework in multimedia journalism, data analysis and web design, including modules on investigative and computational journalism, software engineering, and machine learning. Reported on the Sikh community, writing about **a South Asian club empowering youth through sports** and **traditional community kitchens in Sikh temples.** Projects include:

- **Media Bias in Indian Elections | Python**
  A story on media partisanship during the upcoming Indian general elections, through data analysis of 1,000 articles from five Indian English national daily newspapers, along with on-the-ground reporting.
- **Noah: Tracking Water | Python, Leaflet, Google App Engine**
  A **Brown Institute for Media Innovation funded platform** which overlays reporting, precipitation and surface water data to argue the effects of climate change on water availability across the globe.
- **Fairness in Machine Learning | D3, Python**
  An **explanatory visualization** on conflicting definitions of fairness in machine learning, using ProPublica's methodology from "Machine Bias."
- **India's Case for Women Empowerment | P5, JavaScript**
  A **data-based story** to argue the importance of women's literacy, awareness and empowerment in lowering infant mortality rate in India.

BITS, PILANI | B.E. Computer Science & M.Sc. Mathematics
2017 | Rajasthan, India

EXPERIENCE

GOOGLE FELLOW | Pew Research Center
June 2018 – Aug. 2018 | Washington, D.C.

- One out of eight to be selected from 1,800 applicants, as part of the **Google News Initiative Fellowship** .
- Developed and tested internal organization-wide pipelines for data collection and storage from the Twitter and Census API, using Python and Django.
- **Social Media Bots Draw Public's Attention and Concern** : Assisted in survey design, analysis of response data for lead findings and drafting this report about public opinion on social media bots.

DIGITAL INTERN | GE Digital
Jan. 2017 – June 2017 | Bangalore, India

- Augmented dashboard with asset visualization to improve project visibility using Javascript, HTML and CSS.
- Enhanced the Pune multi-modal plant's assembly line scheduler and improved performance by 40 percent.

EXECUTIVE MEMBER | Society for Student Mess Services
Jan. 2014 – May 2015 | Pilani, India

- Independent student body, serving food to 4,000+ students across eight dining halls and employing 180+ employees with a turnover of INR 120 million.
- Responsible for negotiating annual contracts with Sodexo, planning bimonthly menus with senior cooks as well as performance appraisals, recruitments and day-to-day management of employees.