Ahan Mukhopadhyay

Github: https://github.com/AhanM
LinkedIn: http://www.linkedin.com/in/ahanm

9500 Gilman Drive
La Jolla, CA 92093
(555) 555-5555
ahan.m13@gmail.com

EXPERIENCE

Yobi Technologies, Gurgaon — *Intern*

APRIL 2016 - JULY 2016

- **Extreme weather alert decision tool**, for use by the Government to send SMS messages to residents for extreme weather events
    - Implemented Flask–MongoDB Python web app that collected data from company's Internet-of-Things weather stations.
    - Developed GIS-based (Google Maps), data visualization that allowed policymakers to identify at-risk regions.
    - Implemented a basic machine learning rainfall prediction model.
- **Traffic management system**, piloted by state police.
    - Developed MVP of a low-cost CCTV that could count car traffic, using a Raspberry Pi and OpenCV.
- **Agro commodities market trading visualization**, for World Bank
    - Visualized markets that saw higher quantities transacted, to identify roads that are high-value in value of transactions.

Opera Solutions, Noida — *Intern*

MAY 2015 - June 2015

- Created a working login portal and database using PHP and SQL
- Exposed to latest trends in big data analytics and data science
- Led a team of six interns and made a final presentation to the CEO

EDUCATION

University of California, San Diego — *B.S. Computer Science*

SEPTEMBER 2016 - PRESENT

PROJECTS

Campaign — *Live Visualization of the Perception of the US Presidential Candidates on Twitter*

Twitter Prize Winner, AngelHack Delhi 2016. A flask web app that uses the Twitter API and the HPE Haven onDemand's Sentiment Analysis and Concept extraction to give key and minute by minute insight into how the world perceives each Candidate.

The Elephant Project — *Saving Elephants using Infrasound*

Made an infrasound generator that could potentially be placed on trains passing through sanctuaries so that Elephants crossing tracks are alerted ahead of time and hence saved. Tested its use and wrote a comprehensive Research Paper.

SKILLS

Python, Java, Javascript, HTML/CSS, XML

Flask, MongoDB, Meteor, ReactJS, MySQL

Game Development, Web Development, GUI

Android Studio, Xcode, OpenCV, Twitter API, Tkinter, PyGame

AWARDS

Twitter Prize Winner, AngelHack Delhi, 2016

TSRS Inventor's Award, 2016

Runner's up for **Product Design** in the **ShriTeq** Interschool Technology Competition, 2015

Prayukti Award For Lateral Thinking, 2015

LANGUAGES

English, Hindi, French (working proficiency)