Ahan Mukhopadhyay

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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.

EDUCATION

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

SEPTEMBER 2016 ~ JUNE 2020 | Major GPA: 4.0

Algorithms: Design and Analysis I, *Stanford University,* Coursera
Certificate earned on AUGUST 19, 2016

PROJECTS

ClickBlock – *A Chrome Extension that counters Clickbaits*

Social Hack Winner, HackUCI 2017. ClickBlock automatically classifies every link on your Facebook newsfeed as clickbait or not. On finding a clickbait it colors the post red, changes the title to one that is more appropriate for that article's content and provides a 10-line summary on hover. It also provides you a probability of correctness.

Trivents — *An Events Management Project*

Docusign Prize Winner, SDHacks 2016. A webapp that allows student orgs to post events to G-Plus, Eventbrite etc. through one form. Each event has a QR code associated with it that could be sent to our Facebook Messenger Bot that registers you for the event and gives you a ticket which is essentially a unique QR code. The ticket could simply be scanned at events thereby eliminating long lines and painful waiting.

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.

SKILLS

Python, Java, Javascript, HTML/CSS, XML

Flask, MongoDB, Meteor, ReactJS, MySQL

Game Development, Web Development, GUI

Android Studio, Xcode, OpenCV, Twitter API, GMaps API, Heroku, FB Graph API

AWARDS

Social Hack Winner, HackUCI 2017

Docusign Prize Winner, SDHacks, 2016

Twitter Prize Winner, AngelHack Delhi, 2016

TSRS Inventor's Award, 2016

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

LANGUAGES

English, Hindi, French (working proficiency)

CURRENT COURSES

CSE 12
CSE 15L
CSE 20
MATH 20C