

# PRIANSH SHAH

+44 07479 194202

pshah123

shah@priansh.com

priansh.com

linkedin.com/in/priansh

angel.co/priansh-shah

## Education

### Imperial College London - MEng Computing 2021

Currently enrolled in a 4 year full-time MEng Computing - Software Engineering program.

## Professional Experience

### Entrepreneur/Startup Founder - Aiko AI (2018), Gleme (2016-2017)

- Currently developing Aiko AI, a fully featured AI assistant in a B2B model
- Developed core **natural language processing** to parse and summate large texts, researched and deployed **LSTM** at scale for **natural language generation** from freely structured textual data, scaled production with **AWS Beanstalk**
- Performed logistical and technical duties as CTO of Gleme App, validated at 80% with **over 1000 respondents**
- Developed the mobile app with **React Native** and backend with **Express.js** on **Node.js** and **Mongoose** on **MongoDB**

### Crane.ai - Machine Learning Intern (2017)

- Worked with **Computer Vision**, including applications of **Convolutional Neural Networks** and **OpenCV**
- Retrained models to apply **object detection** and **image classification** to varying UI contexts
- Built a pipeline with distributed AI models and wrapped actions in a **Flask API**, paired with a **Node.js task queue**

### Hackster Live - Ambassador, NJ (2015-16)

- With the help of Hackster as a Hackster Live Ambassador, started and grew a meetup group of **over 100 members**
- Held and mentored at hackathons**, coordinated tech-oriented meetups at least once a month
- Ran outreach programs** with local community organizations and local maker faires
- Exhibited at the World Maker Faire** (NYC) twice (held 1 exhibit in 2015, 2 exhibits in 2016)

## Selected Projects

### Feedbacker - Realtime Audience Emotional Tracking (2018)

([git.io/vAHQ2](https://git.io/vAHQ2))

- Measures audience emotional spectrum in realtime, shows results to presenter during presentation
- Applies image-based **emotion recognition** with **Microsoft Cognitive Services** alongside a **custom classifier**
- I also wrote a companion phone app written in **React Native** for camera data input through a **Node.js API**
- Provides a custom presentation using **WebRTC** and **Socket.io** for ultra-low latency control from any screen via link
- With **natural language processing** and **natural language understanding**, I also analyzed audience feedback to **categorize sentiment**, served using **Python** and **Sanic**, and displayed emotion and sentiment in realtime with **Chart.js**
- I implemented a full, **production-grade infrastructure**, deployed using **AWS EC2** and scaled with **Elastic Beanstalk**
- Won Best Newcomer Hack at ICHack 18: [devpost.com/software/feedbacker](https://devpost.com/software/feedbacker)

### Tabstorm - Online Code Collaboration + Chat (2017)

([git.io/vAHQE](https://git.io/vAHQE))

- Provides a simple collaboration platform with a markdown/code editor and a chat interface, fully secure peer-to-peer
- I developed a **WebRTC**-compliant infrastructure with signalling and turn servers to create lightweight **P2P** connections
- Uses **Socket** to create rooms and communicate data between users, and **Express.js** with **Node.js** in the backend
- Provides a **static website** for ultra-lightweight high-performance design, compatible with **Vue.js** and the MVC model

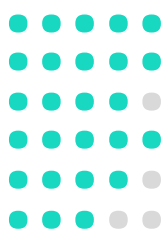
### ChanceyNN - College Admissions Predictor (2016)

(closed source, old version: [git.io/vA1Et](https://git.io/vA1Et))

- Forecasts college admissions using GPA and SAT scores, publicly available, reaches 80% accuracy on most colleges
  - Uses a deep neural network written in Tensorflow for Python, serves network through Flask, scales using Apache Spark
- Trended as the #1 article in Education and #1 article in Artificial Intelligence on Medium. Article: [goo.gl/wCxokR](https://goo.gl/wCxokR)

## Skills

- Python** (Flask, Django, NumPy, OpenCV)
- JS/Web Stack** (HTML/CSS/JS, NodeJS, React)
- Java** (Android Studio, Neuroph, Scala)
- Machine Learning** (Tensorflow, Spark, Caffe)
- Mobile Apps** (React Native, Android+Java)
- Misc** (Unity3D, PebbleJS, COSMOS, Socket, C#)



## Awards

- Top 125 Halite II, #5 Machine Learning player (2018)
- Best Newcomer Hack @ ICHack 18 (2018)
- Top 100 PicoCTF competitors (2017)
- Top 10 PaCTF competitors in the Bartik round (2017)
- Scholastic Gold Medalist (2017), 2 Gold Keys (2017)
- 2nd Place Startup Pitch, MIT Launch (2016)