

# Anirudh Pillai

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## Skills

**Programming** Python, Javascript, Java, Haskell, C, Shell Scripting, Linux, Git, MongoDB, SQL, AWS, Docker, Continuous Integration  
**Libraries** Django, D3.js, Pandas, NumPy, Matplotlib, Sklearn, React, Flask  
**Languages** English, Hindi

## Education

### University College London

B.Sc. COMPUTER SCIENCE

London, UK

Sept. 2015 - PRESENT

- Minor in Finance and Accounting.
- Led a team of three to develop a GUI for Bosch which allows querying and manipulation of their RDF Graph database.

### Vibgyor High International

A LEVELS

Gujarat, India

Jan. 2013 - Jan. 2015

- Mathematics, Economics, Physics, Chemistry, English Language - A\*A\*A\*B

## Work Experience

### UCL Information Services Division

SOFTWARE ENGINEER

London, UK

March. 2017 - Present

- Creating a simple, documentation first and comprehensive API around UCL's digital services to establish an ecosystem of third party UCL apps.
- Used Django-Rest-Framework to create a website to manage room bookings in UCL.

### Activate Technologies

SOFTWARE ENGINEERING INTERN

London, UK

Jun. 2016 - Sept. 2016

- Created the entire platform of the company which allows us to run multiple Facebook Messenger bots from the same server, thus, cutting costs considerably. Used this to create 20 bots to be used at university freshers' fairs.
- Also created an analytics dashboard, admin interface and a CMS. Used D3.js for data visualisation.
- Used Express with Node and MongoDB to build the backend for the platform.
- Integrated the Stripe API for payments. Used AWS S3 for storing images and hosted the platform on Heroku.

### Engineers Without Borders UCL

OPEN SOURCE PROJECTS COORDINATOR

London, UK

Oct. 2015 - PRESENT

- Started a Github organisation for Engineers Without Borders UCL (github.com/ewb-UCL) where students build open source software needed by NGO's like London Wildlife Trust and Caminos De Agua.
- Responsible for finding projects and organising meetups for students to plan and develop projects.

## Projects

**Trading Epiphany** - A real time trading platform built using React and a mock server API which streams real time market data and allows the user to submit orders and receive order update messages.

**Portfolio Optimiser** - Created a portfolio optimizer in Python using Pandas, NumPy and SciPy which maximises Sharpe Ratio.

**Algorithm Solutions** - Github repo of Python solutions to Leetcode, Hackerrank, Interview Bit and Google Foobar questions.

## Honors & Awards

2016 **Winner**, J.P. Morgan Code for Good - Save the Children

London, UK

2017 **Winner**, Microsoft Data Science Student Challenge

London, UK

2017 **Winner**, Systematica Codeathon

London, UK

## Interests

Scripting, OS, Distributed Systems, Data Analysis