# Anirudh **Pillai**

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## **Sk**ills

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|---|---|
| **Programming** | Python, Javascript, Java, Haskell, C, Shell Scripting |
| **Tools** | PostgreSQL, MongoDB, Elasticsearch, Grafana, AWS, Git, Docker, Travis CI, Linux (Ubuntu and CentOS) |
| **Libraries** | Django, D3.js, Pandas, Matplotlib, React, Flask |
| **Languages** | English, Hindi |

## **Edu**cation

### **University College London** *London, UK*

B.SC. COMPUTER SCIENCE *Sept. 2015 - PRESENT*

- Expected - First (82.4%), with 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** *Gujarat, India*

A LEVELS *Jan. 2013 - Jan. 2015*

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

## **Wor**k Experience

### **Citigroup** *London, UK*

TECHNOLOGY SUMMER ANALYST *Jun 2017 - Aug 2017*

- Set up Grafana and Logstash to build a capacity monitoring application using Elasticsearch.
- Used Python and Elasticsearch API to set up a unique data pipeline with Graphite as the data source which enabled us to create more powerful and detailed data visualisations.
- Researched into alternative tools like StatsD and Carbon Aggregator in order to set up the unique data pipeline.
- Configured and deployed Logstash, Elasticsearch and Grafana on CentOS to create a dashboard to monitor important server metrics.

### **UCL Information Services Division** *London, UK*

SOFTWARE ENGINEER *Mar 2017 - Present*

- Using Python to create API's around UCL's digital services for establishing an ecosystem of third party UCL apps.
- Used React and Django to create a website to manage room bookings in UCL.
- Built a documentation template for API's using React and Material-UI.

### **Activate Technologies** *London, UK*

SOFTWARE ENGINEERING INTERN *Jun 2016 - Sept 2016*

- Created a platform to build and run multiple Facebook Messenger bots from the same server, thus, cutting costs considerably.
- Used Express.js, Node.js, MongoDB and D3.js to build the backend for the platform, CMS and the analytics dashboard.

### **Engineers Without Borders UCL** *London, UK*

OPEN SOURCE PROJECTS COORDINATOR *Oct 2015 - Present*

- Started a Github organisation for EWB UCL where students build open source software needed by NGO's.
- Responsible for contacting NGO's for projects and organising meetups for students to plan and develop projects.

## **Pro**jects

- **Trading Epiphany** - A real time trading platform built in React which 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.

## **Hon**ors & 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* |

## **Int**erests

Software Architecture, Distributed Systems, OS, Data Analysis