Anirudh **Pillai**

103 South Road, South Ockendon, Essex - RM15 6NR

☐ (+44) 7914949548　|　✉ ani@ucl.ac.uk　|　⊙ anirudhpillai　|　⊡ linkedin.com/in/anirudhpillai

Skills

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

Education

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

Work 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.

Projects

Trading Epiphany - A real time trading platform built using 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.

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

Software Architecture, Distributed Systems, OS, Data Analysis