Anirudh **Pillai**

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Skills

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

Education

University College London   *London, UK*

B.Sc. Computer Science   *Sept. 2015 - PRESENT*

- Expected - First (82.4%), with minor in Finance and Accounting
- Final year project on framework for verification of distributed systems, implementing and proving correctness of Paxos concensus protocol.

Vibgyor High International   *Gujarat, India*

A Levels   *Jan. 2013 - Jan. 2015*

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

Work Experience

Bloomberg   *London, UK*

Software Engineer   *Aug 2018 - Present*

- Working on MARS (Multi Asset Risk System) using Python/C++/JavaScript.
- I am also the tech rep for the team and responsible for learning about new technologies and using them to build new tools and enhance systems which have an impact on multiple different teams at Bloomberg.

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.

Projects

- **Trading Epiphany** - A real time trading platform built in React which allows the user to submit orders and receive order update messages.
- **Bytecode Optimiser** - Wrote a Java Bytecode Optimiser using Apache Commons BCEL.
- **RDF Explorer** - Led a team of three to develop a GUI for Bosch which allows querying and manipulation of their RDF Graph database.

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