

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

- 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

A LEVELS

Gujarat, India

Jan. 2013 - Jan. 2015

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

Work Experience

Citigroup

TECHNOLOGY SUMMER ANALYST

London, UK

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.

UCL Information Services Division

SOFTWARE ENGINEER

London, UK

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

SOFTWARE ENGINEERING INTERN

London, UK

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

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

Software Architecture, Distributed Systems, OS, Data Analysis