

Aviral Dasgupta

Software Engineer & Designer

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Education

- 2014 - 2018 **KIIT University** Bachelor of Technology (Computer Science & Engineering)
2001 - 2014 **Loyola School** ICSE & ISC (Computer Science)

Technical Skills

Languages: Python, JavaScript (TypeScript, CoffeeScript), Java, C, C++, Go, Haskell

Frameworks: Flask, Django, Angular.js

Platforms: Android, Node.js, Qt

Other: SQL (PostgreSQL & MySQL), Docker, Git

Design: Adobe Illustrator, Photoshop

Experience

- 2015 **Betabet (SnipClip)** Full Stack Engineer (Contract)
Designed and developed primary Android app, and video encoding & streaming architecture for SnipClip, a short video aggregator.
video-encoding python flask java android
- 2015 **DhoDU** Full Stack Engineer (Contract)
Developed real-time logistics automation solution for deliveries, customer facing Android app and custom CRM tailored to DhoDU's unique needs.
python flask firebase angular.js android google-maps geopositioning
- 2014 **WindowShopper (Fabric)** Full Stack Engineer (Contract)
Created WindowShopper's unique product browsing experience and helped optimize their software to deal with much larger product data sets.
angular.js javascript flask python postgresql
- 2013 **Sahana Software Foundation** Developer
Worked on parts of Sahana Eden, a disaster resource management platform. Specifically, on parts of the test framework and forms/widgets.
python web2py selenium automated-testing html5 javascript
- 2012 **CrystalMD** Web Developer (Contract)
Developed major parts of CrystalMD's CrystalSite product, as well as internal reporting and analytics systems.
php javascript mysql

Awards & Achievements

- 2015 **AngelHack** Vizag Winner

Invited to exclusive *Hackcelerator* programme for Android testing and deployment startup, *Codeorb*.

2013 **Syscan Hardcode Secure Coding Contest** 2nd at Singapore World Finals

Designed & developed *Gridlock Exchange*, an ecommerce platform. Performed successful penetration tests on competitors' apps. Placed 2nd worldwide, as a single school student against teams of college students.

2012 **Google Code-in** Grand Prize Winner (International)

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2010 Awarded grand prize and a trip to Google's Mountain View HQ twice by Google for open source work with *Sahana Software Foundation* and *Tux4Kids*.

2012 **TCS IT Wiz** World Finals

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2011 Placed 2nd and 3rd respectively in the international finals of this very popular technology based quiz contest organized by Tata Consultancy Services.

2012 **COFAS** Grand Prize Winner (International)

Won the software development contest for creating a custom browser, *Emeral* with novel accessibility features.

Personal Projects

2015 [Codeorb](#) Android Testing & Deployment Tools

Developed novel tools for Android testing, deployment and customer support that won the first prize at **Angelhack Vizag**. Codeorb is a part of [AngelHack Hackcelerator's 2015 batch](#).

python flask android typescript docker angular.js gradle

2014 [Doubts](#) Photo-based Academic Q&A

Developed image classification features and scalable backend for Doubts. Also did major UX and UI work on Android app.

python flask docker android

2012 **Quizzardous!** Quizzing App

Developed and designed Quizzardous!, an online quizzing app, which was used to host several school quizzes and contests.

python django javascript android

2011 [DatumDroid](#) OCR-based Content and News Aggregator

Created parts of DatumDroid, an app meant for similar content discovery based on scans of newspaper articles.

android tesseract-ocr python webapp2 appengine