




# AVIRAL DASGUPTA

Software Engineer & Designer

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## EXPERIENCE

- Sep 17 – Feb 18 **Bloomberg L. P., London** **Software Engineering Intern**  
Working in the **NOTE** team, currently focused on building scalable real-time integrations with other functions on the *Bloomberg Terminal*.  
C++, Python, XSD, Pub/sub
- Summer 2017 **Plivo, Inc. (YC S12), Bangalore** **Software Engineering Intern**  
Developed and tested the next version of Plivo's Node.js, Java, Python and Go SDKs, as well as new tooling for automatic generation of examples, documentation and code from predefined schema. Also worked on framework and components for as yet unannounced visual developer tool.  
Java, Python, Node.js, Go, API, Testing, AWS, Flask, SQLAlchemy
- Summer 2016 **Google Summer of Code · Matrix.org** **Student Developer**  
Worked on a flexible plugin system for the Vector client, a rich text editor based on Draft.js and a Slack Webhook API compatible application service. React, JavaScript (ES6), Go, Node.js
- 2010 – now **Various Organizations** **Technical Consultant**  
Consulted for several companies including *CrystalMD*, *WindowShopper*, *Sahana Software Foundation*, *SnipClip*, and more.

## AWARDS & ACHIEVEMENTS

- 2017 **TADHack Global Hackathon** **London Winner & Matrix.org Prize Recipient**  
Won prizes for *Pushtime*, a Chrome extension and Android app I wrote to sync clipboards, phone health, OTPs, and more securely over the Matrix protocol.
- 2016 & 2017 **Mindfire Debasish Das Memorial IT Quiz** **Winner**  
Placed 1<sup>st</sup> and 2<sup>nd</sup> respectively in this tech quiz organized by *Mindfire Solutions*.
- 2016 **Indiahacks - Online Commerce Track** **Finalist**  
Developed and pitched *Ozonetel* IVR backed automated delivery tracking solution, *TrackShack* at *HackerEarth's* Indiahacks hackathon.
- 2015 **Angelhack Vizag** **Grand Prize Winner**  
Invited to exclusive *Hackcelerator* programme and *Angelhack's* Global Demo Day in San Francisco, for Android testing, user feedback and deployment tools startup, *Codeorb*.
- 2013 **Syscan Hardcode Secure Coding Contest** **2<sup>nd</sup> at Singapore World Finals**  
Designed & developed *Gridlock Exchange*, a security-focused ecommerce platform and performed successful penetration tests on competitors' apps.
- 2010 & 2012 **Google Code-in** **Grand Prize Winner**  
Awarded grand prize and a trip to Google's Mountain View HQ twice by Google for open source work with *Sahana Software Foundation* (*Sahana Eden* - Disaster Management Platform) and *Tux4Kids* (*TuxMath* - Educational Game).
- 2011 & 2012 **TCS IT Wiz** **World Finalist**  
Placed 2<sup>nd</sup> and 3<sup>rd</sup> respectively in the international finals of this very popular technology quiz contest organized by *Tata Consultancy Services*.

## EDUCATION

- 2014 – 2018 **KIIT University, Bhubaneswar** **Bachelor of Technology in Computer Science**
- 2001 – 2014 **Loyola School, Jamshedpur** **ICSE & ISC Pure Science with Computer Science**