AVIRAL DASGUPTA
Software Engineer & Designer

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EXPERIENCE

Feb 18 — now	**Amazon**	**Software Engineering Intern**

Currently working in the *Retail Business Systems - Enrichment* team, on services that perform automated catalog content QC as a part of the New Item Setup pipeline.

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Java, Python, NLP, AWS
```

Sep 17 — Feb 18	**Bloomberg L. P.**	**Software Engineering Intern**

As a member of the *Collaboration - Notes* team, designed and built a scalable service for publishing real-time note metadata to some of the most popular functions on the *Bloomberg Terminal*. Also developed a reusable UI component allowing other functions to display this data.

```
C++, Python, TypeScript, XSD
```

May 17 — Jul 17	**Plivo (YC S12)**	**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, AWS, Flask, SQLAlchemy
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Mar 16 — Aug 16	**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
```

In addition to the mentioned experience, I have also been working on personal projects and freelancing since 2008.

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 1st and 2nd respectively in this tech quiz organized by *Mindfire Solutions*.

2016	**HackerEarth Indiahacks - Online Commerce Track**	**Finalist**

Developed and pitched IVR backed automated delivery tracking solution, *TrackShack*.

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**	**2nd 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).

EDUCATION

2014 — 2018	**KIIT University, Bhubaneswar (8.4/10)**	**Bachelor of Technology *in* Computer Science**

2001 — 2014	**Loyola School, Jamshedpur**	**ICSE & ISC Pure Science *with* Computer Science**