

Shaurya Chaturvedi

shauryachats@gmail.com | +918745810142 | [github://shauryachats](https://github.com/shauryachats) | [linkedin://shauryachats](https://www.linkedin.com/in/shauryachats)

Education

- B.E.** | Computer Engineering | Netaji Subhas Institute of Technology, New Delhi ('19)
79.62%, till 5th semester.
- 12th** | CBSE | St. Xavier's Senior Secondary School, New Delhi ('15)
96.2% | 99% in Computer Science, in CBSE board.
- 10th** | CBSE | St. Xavier's Senior Secondary School, New Delhi ('13)
9.2 CGPA

Experience

Software Development Intern at **Amazon India**

May '18 – July '18

Built a self-service tool to automate marking of advertiser accounts as Amazon owned.

- Created a front end webpage for the internalize operations webpage.
- Wrote APIs integrating multiple APIs performing different operations such as changing payment method, writing off issued invoices and marking advertisers as internal in DB.
- Created an approval request view page from scratch, where users can view and track their approval requests for internalizing of particular advertiser IDs, and wrote an abstract controller class for it for extensibility.
- Ran acceptance tests to write off an invoice in the internal website and verify it gets recorded in the ledger.

Honours and Rewards

- **World Finalists**, Ericsson Innovation Awards, 2018 – The Future Of Truth
Held at Stockholm, Sweden, we **represented India** and stood **third** out of 1400+ university teams all around the world.
- **Qualifier**, Round 2, Facebook Hacker Cup, 2017
- **Second Runners Up** out of 100+ teams, Code Golf, Cogeneration – Techfest of DTU, 2017
- **Runners Up** out of 150+ teams, Code In Less, Esya – Techfest of IIITD, 2016
- **Finalist**, Indian National Olympiad of Informatics, 2015

Projects

TL;DR

TL;DR is an application which scans a policy document and presents warning flags in it using machine learning. It was presented at the Ericsson Innovation Awards, 2018. It is available both as an Android application and a Chrome extension.

EmoMorph

Developed a Convolutional Neural Network based encoder-decoder network for morphing emotions into speech.

WaveGAN for Speech Processing and Generation

Implementation of a Generative Adversarial Network for raw audio synthesis in an unsupervised setting, based on the paper "Synthesizing Audio with Generative Adversarial Networks" by Donahue et al.

X-Ray Enhancer Using Deep Learning

An residual autoencoder network to generate clean high-quality X-Ray images from noisy X-ray scans.

SyncText (Winter Project | COE-220)

Developed an Android app which integrates OCR with instant sharing with PCs through TCP/IP, hence rapidly scanning printed text with an Android camera onto a PC for real time editing.

Grapher (Winter Project | COE-220)

An Android application which traces mathematical functions of implicit functions by parsing functions using Polish notations.

Skills

Fluent : C++ | Python | Java | C | NodeJS | JavaScript | HTML | CSS | Android

Familiar : Octave | MATLAB | MySQL | Flask | Chrome Extensions | OpenGL | Express | Spring MVC | Mockito

Machine Learning : Tensorflow | Keras | SciPy | NumPy | PyTorch | Scikit