

# Harman Singh Jolly

New Delhi, India | Ph: +91-9810047077 | harmanjolly97@gmail.com

## EDUCATION

Guru Gobind Singh Indraprastha University, New Delhi

Undergraduate, Information & Technology Engineering

- 8.3 CGPA • 2017 to 2020

## LINKS

[linkedin.com/in/coderjolly](https://www.linkedin.com/in/coderjolly)

[github.com/CoderJolly](https://github.com/CoderJolly)

## COURSEWORK

- Database Management System
- Operating Systems
- Compiler Design

## PROGRAM COMMITTEES

- Joint Secretary, Campus Blocks (BVP)
- Organising Member, ICDSSA
- Core Member, Mozilla Campus Clubs
- Web Developer, Developer Student Clubs
- Logistics Executive, GDG BVP
- Student Volunteer, Art of Living Foundation

## AWARDS

- Best Use of Cloud Technology, UNESCO Fossasia Hack
- OpenTech Nights Winner, sponsored trip to Singapore
- Received Full Sponsorship, Facebook Hackathon(F8)
- Global Bonus Round Regional Level Winner, Facebook Developer Community Challenge
- Invitation for HackMIT, Annual Hackathon at MIT

## SKILLS

Languages

- C++ • Python • Ruby • SQL

Technologies

- HTML • CSS • Javascript • Jekyll
- Ruby on Rails • Express

Libraries Frameworks

- Numpy • Pandas • Matplotlib
- Scikit-Learn • Tensorflow • Keras

## EXPERIENCE

IIIT ALLAHABAD | Research Intern

05/20 - 08/20 | New Delhi

- Worked on classifying and developed a model for prediction of Autism Spectrum Disorder (ASD) using ANN and aided to create a CNN model.
- Also, worked on tracing the orientation of an object using image moments.

PUBLICLAB (GCI AND GSOC) | Mentor

11/19 - 01/20, 05/19 - 08/19 | New Delhi

- Reviewed various pull requests and helped various GCI students with the intro to open source. Helped GSOC students with the completion of their proposals for the submission.
- Worked specifically with the Plots2 and with the upgradation of Mapknitter Rail's version from 3.2 to latest stable version.
- Test coverage was increased around 50% to 72%. Directly moving to Rails 5.2.3 made the process easier but Rails 6 upgradation was halted because the debian package was not ready for production.

FOSSASIA | Open Souce Developer

10/18 - 01/19 | New Delhi

- Contributed to a Fossasia Project, Open Event Server which is a python based REST API server built using Flask
- Fixed bugs, built APIs and wrote scripts for automatic deployment.

## PROJECTS

### PREDICTION OF AUTISM SPECTRUM DISORDER

- Developed a tool to predict the presence of Autism Spectrum Disorder as there are only a few reliable indicators which are behavioral based.
- Use of eye-gaze dataset is done in order to develop an ANN and CNN based model to predict the presence of Autism Spectrum Disorder with the high efficiency.

### PREDICTIVE TEXT ANALYSIS USING EYE-BLINKS

- A User-Interface used to interact with people who have lost the dexterity to perform physical tasks can now communicate using their eye blinks.
- User can either use short blinks or long blinks in order to communicate with the interface with around 75% accuracy.

### DONORFU

- A project project won \$ 17500 from Facebook Developer Community Challenge, is a messenger bot to bridge the gap between potential donors with blood requesters.
- It can also take calls over phone calls to connect potential donors with blood requesters.

### SOCIAL RECEIPE APP

- It is a social media platform made specifically for chefs in order to share new recipes and discuss them.
- Various user and chefs can like, comment and share their thoughts or recipes on this forum.