Harman Singh Jolly

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EDUCATION

Guru Gobind Singh Indraprastha University, New Delhi

Undergraduate, Information & Technology Engineering

• 8.1 CGPA • 2016-2017 to 2020-2021

LINKS

linkedin.com/in/coderjolly ↗
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

Technlogies
• 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 Austism Spectrum Disorder using Artificial Neural achieving around 76% accuracy.
• Further implemented a CNN model that can also predict ASD with around 86% accuracy.
• 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 introduction to open source. Also helped GSOC students with the completion of their proposals to meet the demands of the organisation.
• Worked specifically with the Plots2 and with the upgradation of Mapknitter Rail's version from 3.2 to latest stable version.

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 and accuracy upto 86%.

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.