JATIN ROHILLA

https://jatin69.github.io

EDUCATION

Masters of Computer Applications
Department of Computer Science,
University of Delhi
July 2017 - Present
Aggregate - 78%

B.Sc. Hons. Computer Science
Deen Dayal Upadhyaya College
University of Delhi
July 2014 - May 2017
Aggregate - 89.76%

High School
S.R. Century Public School
Bahadurgarh, Haryana
Class 12th (C.B.S.E) - 90.80 %
Class 10th (C.B.S.E) - 10.00 CGPA

SKILLS

Programming Languages
C++ , Python, Java, JavaScript, R

Tools / Frameworks
Git, GitHub, GNU Make, Docker,
Jekyll, npm, Yarn, GraphQL

Others
Amazon Alexa Skills (Node.js SDK / APL),
AWS Lambda, DynamoDB, Cloudwatch,
Google Actions, Google Compute Engine

ACHIEVEMENTS

India Builds Actions Winner
- ❏ One of the 12 Winners all over India.
- ❏ Google sponsored trip to Devfest'18 Bangalore to represent Google Actions.

eYRC - 2015
- ❏ Top 15 all India Rank in e-Yantra Robotics Competition 2015.
- ❏ Successfully completed a solution for the theme Hotel Guest Service using the robot FireBird V ATMEGA 2560.

PROJECTS
(Source codes are available at - https://github.com/jatin69)

DU Result Fetcher
- ❏ Developed a scraping system to bulk fetch semester results of Delhi University Students.
- ❏ Created college-wise and course-wise merit lists by analysing the results of over 700 students at a time.
- ❏ Made regular updates to the system to accommodate changes in the official DU Result portal over time. (2017 onwards)

FTP Implementation
- ❏ Implemented the File Transfer Protocol by closely following the RFC-959 standard to enable file transfers over a localhost, a local network and over the internet. (TCP/IP Sockets in C++)
- ❏ Implemented a terminal based UI along with features like user authentication, concurrent client support, control & data connection, daemon data transfer, and data port switching.

Sliding Window Protocols
- ❏ Implemented event-logging based visualization of Sliding Window Protocols using Flask-socketIO and deployed it on heroku.
- ❏ Designed a layered architecture to log real time packet status from all 3 layers - sender, receiver and the communication medium.
- ❏ Implemented Sliding window Flow control to deliver packets and Automatic Repeat Request (ARQ) to manage failed packets.

Atlas Adventure - Amazon Alexa Skill
- ❏ Published an Amazon Alexa Skill to play the geography variant of the classic word building game - word chain.
- ❏ Implemented game specific rules, validated user inputs with Google Places API, and developed several new game features like world mode, country mode, lifelines, and spelling of the place.

POSITIONS OF RESPONSIBILITY

Community Influencer - Dec 2017 - Present
Facebook Developer Circles, Delhi NCR

President - July 2018 - May 2019
Department of Computer Science, University of Delhi

President - August 2016 - May 2017
Secretary - August 2015 - May 2016
Sanganika - The Computer Science Society,
Deen Dayal Upadhyaya College, University of Delhi