



NAMRATA PRIYADARSHANI

ACADEMIC DETAILS

Year	Degree / Board	Institute	GPA / Marks(%)
---	B.Tech in Computer Science & Engineering	Indian Institute of Technology, Delhi	8.27
2017	CBSE	Leeds Asian School, Patna	91.6%
2015	CBSE	Kendriya Vidyalaya Bailey Road Patna	10/10 CGPA

SCHOLASTIC ACHIEVEMENTS

- **ACM-ICPC 2018:** Ranked **57** out of 277 teams in **Asia-Amritapuri Regionals** in ACM-ICPC 2018.
- **Google Code Jam I/O 2019:** World rank **187** in Code Jam I/O and attended the subsequent Google I/O 2019 held at Shoreline Amphitheatre in Mountain View, California.
- **Microsoft Codess 2019:** Qualified for Codess Event and attended it in Microsoft Hyderabad.
- **KVPY 2016:** Scholarship awarded by Dept. of Science and Technology, Govt. of India after securing **All India Rank 393**.
- **NSEC 2016: Top 1%** in the country in National Standard Examination in Chemistry (NSEC), 2016.
- **JEE Main 2017:** Secured **All India Rank 1275** in JEE Mains 2017 out of 1.3 million candidates.
- **JEE Advanced 2017:** Secured **All India Rank 481** in JEE Advanced 2017 out of 0.22 million candidates.

INTERNSHIPS

- **Microsoft, Hyderabad** (May, 2020 - July, 2020) : *Azure Event Grid to Github Integration for MLOps*
 - Worked on making Github to Azure a seamless journey for MLOps.
 - Provided an end-to-end structure for better event and error handling in Mlops from Github. It can also help in automated training-testing and deployment process.
 - Created ARM templates, function app and a github action for users to deploy resources required to achieve this integration on their Azure subscription as a part of the workflow.
- **Microsoft, Hyderabad** (May, 2019 - July, 2019) : *AzRepos, Chatbot for Slack*
 - Worked on integrating files, tools and discussions on a single platform to make the collaboration with the team easier.
 - The application allows user to manage subscriptions to receive notifications in the Slack channel whenever code is pushed/checked in and whenever a pull request (PR) is created, updated or a merge is attempted.
 - Created help and subscription commands and added the url unfurling feature.

PROJECTS

- **AI bot for Cannon Board Game** (November, 2019): (Prof. Mausam)
 - Developed a Cannon bot by utilizing the adversarial search algorithm to find the best move.
 - Designed appropriate score functions for various sized boards.
- **Neural Network** (April, 2020): (Prof. Parag Singla)
 - Designed a generic neural network to classify an image dataset into english alphabets.
 - Tested with different activation functions and different number of hidden layers.
- **Command Line Chat Interface** (October, 2019) : (Prof. Aaditeshwar Seth)
 - Created a messaging application using sockets in python that followed TCP protocol.
 - Implemented encrypted mode messaging using RSA and signatures for checking the integrity of messages.
- **Indian Road Traffic Simulator** (April, 2019): (Prof. Rijurekha Sen)
 - Designed an Indian road traffic simulator in C++.
 - Included features like overtaking, changing lanes and following traffic rules.
 - Used OpenGL for the visualization of simulation.
- **ARM Processor** (March, 2019) : (Prof. Anshul Kumar)
 - Designed a multi-cycle CPU to process instruction set of ARM in VHDL which included Data Transfer, Data Processing and branch instructions.
 - Implemented exception handling and I/O in the design.
- **Language Interpreter** (February, 2019) : (Prof. Sanjeeva Prasad)
 - Created lexer, parser, type-inferencer, grammar, stack machine, SECD and Krivine machine for a custom-made programming language.
 - Coded in OCaml, OCaml Lex and YACC.

POSITIONS OF RESPONSIBILITY

- **Microsoft CODESS Ambassador** (February, 2020):
 - Inspire female coders to participate in CODESS in and across IIT Delhi.
 - Hosted a Roadshow at IIT Delhi, talked about my experience, culture and aim of Microsoft and the benefits after joining.



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IIT COURSE

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B.Tech in Computer Science & Engineering	Indian Institute of Technology, Delhi	8.27

COURSES DONE

Intro. To Computer Science, Calculus, Data Structures And Algorithms, Discrete Mathematical Structur, Digital Logic & System Design, Computer Architecture, Programming Languages, Design Practices, Summer Internship - I, Principles Of Artificial Int., Computer Networks, Analysis & design Of Algorithms