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DOB: 13/04/1998

ROHAN SETHI

ACADEMIC QUALIFICATIONS

Examination	Year	Board/University	%/CGPA
B.E. (Computer Engineering)	**2016-Present**	**Netaji Subhash Institute of Technology – Affiliated to Delhi University**	**8.10/10**
Class XII Stream: Science (Physics, Chemistry, Mathematics, Computer Science, English)	2015 – 2016	Maharaja Agrasen Model School, Delhi – CBSE Board	97.00%
Class X	2013 – 2014	Maharaja Agrasen Model School, Delhi – CBSE Board	10/10

ACADEMIC DISTINCTIONS

- **Secured AIR - 971** in JEE Mains 2016 and **AIR - 7172** in JEE Advance 2016
- **Bronze medalist at Manav Sthali Mathematics Olympiad** during the academic sessions 2014-15 and 2008-09.

EXTRA-CURRICULAR ACHIEVEMENTS

- **Became India Champion in Microsoft Excel 2013,** at Microsoft Office Specialist India Championship held in Delhi in May 2015, winning a gold medal, trophy, laptop and was subsequently **sponsored by Compudon India at World Finals**.
- **Bagged 2nd position while representing India at Microsoft Office Specialist World Championship held in Dallas, Texas, USA in August 2015** & was awarded with the Silver Medal/ Certificate/ US $2500 scholarship amount and Xbox 360.
- **Qualified** for **India Finals** of **Smart India Hackathon 2019**, was among the top 5 teams in our category.
- Secured **3rd position in Chess Tournament** at NSIT Winter Sports, 2018.

TECHNICAL SKILLS

- Well-versed in basic programming languages like C++, while also having some coding experience in Java and Python.
- Good at web development with a working knowledge of HTML, CSS and Bootstrap in front-end, along with MySQL, PHP and Django at back-end. Also versed with the basics of Javascript and JQuery.

POSITIONS OF RESPONSIBILITY

1. **Placement Coordinator**   **Training & Placement Cell, NSIT**   **June 18 – Present**
   - ✓ Selected among 23 out of 900 students.
   - ✓ Responsible for placements and internships of 1800+ students.
   - ✓ Strategized the placement procedure for 2019 batch, scheduled company visits and coordinated the recruitment process.

2. **Vice President**   **Student Council, MAMS**   **July 14 – June 15**
   - ✓ Actively organized various events throughout the academic year.
   - ✓ Managed a team of 30 students, delegating roles and assigning responsibilities.

INTERNSHIPS

I. **Product Engineering Intern**　　　　　**Publicis Sapient**　　　　　**May 19 – July 19**
   - ✓ Optimized an existing data comparison framework to improve scalability.
   - ✓ Re-arched the existing pipeline that couldn't handle input sizes of above 350 MB. The final product could handle up to 4 GB of input without performance problems.
   - ✓ Migrated the entire project to AWS Batch which was earlier deployed on a single EC2 instance.
   - ✓ Proposed a linear time algorithm for the main diff engine as opposed to the quasilinear (n log n) approach used in production.

   Technology stack used: Spring, Python, Jenkins, Docker, AWS.

ACADEMIC PROJECTS

- Implemented **adversarial attacks on deep neural networks** using Tensorflow in Python. Successfully bypassed two CNNs trained on Kaggle's Dogs vs. Cats and CIFAR-10 datasets by employing fast gradient sign method and one pixel attack algorithms using differential evolution.
- Deployed AgriSmart, a **Django based web-app** that uses **IoT and machine learning algorithms** to analyse soil samples and predict suitable crops, It also uses **CNN to identify plant diseases** from uploaded images of their leaves.
  URL: https://rohansethi.pythonanywhere.com/
- Designed and implemented **a fully functioning web-app on Diary and Tasks Management** as part of database management project, thus practically implementing most of the web development tools listed above.
  URL: https://diary-task-app.herokuapp.com/

COURSES UNDERTAKEN

- **Core Courses:** Data Structures and Algorithms, Design and Analysis of Algorithms, Database Management Systems, Operating Systems, Design of Digital Systems, Concrete Mathematics and Discrete Mathematics.
- **Self-Taught Courses:** Python Programming, Complete Web Development Course, Django for Web Development (on-going), Data Science and Machine Learning using Python (on-going).

INTERESTS

- Reading, playing chess & outdoor sports (volleyball, lawn tennis), playing and listening to music, watching thriller/sci-fi/superhero movies.