

# SACHIN DUHAN

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## EDUCATION

B.Tech Mathematics & Computing	2017 - 2021	Delhi Technological University ( formerly DCE )	CGPA - 7.35
CBSE ( <b>Class XII</b> ) - <b>HEAD BOY</b>	2017	Titiksha Public School, Delhi	CGPA - 9.4
CBSE ( <b>Class X</b> ) - <b>TOI Student of the Year</b>	2015	Titiksha Public School, Delhi	CGPA - 9.8

## INTERSHIPS & EXPERIENCE

### Bitgrit Inc. Tokyo, Japan - Artificial Intelligence Research Intern

May. 2020 - Ongoing

Understanding the client's strategy, challenges, opportunities, the client's data & analytics capabilities and contingencies faced by the business. Blending given information, researching, developing models and presenting solutions to clients.

### Verint Cyber Intelligence Solutions Pvt Ltd. - Intern

Nov. 2019 - Jan 2020

Assisted as a **DevOps Intern**, writing **shell scripts** for the multilevel & multidimensional environment setup, dependency detection, installation, and implementing logging using Log4c. Stimulated text-based protocol with SIP on **Linux** & integrated Cygwin for windows.

### NCC, Indian Army - Academic Council Member & Developer

Aug. 2019 - Oct 2019

Member of the **NCC Academic Council** and developer of a secure, dynamic, fast, and extensible **Desktop App** using **Electron-Js** for Army officers with data encryption using cryptR & AES-256-GCM, paper sharing, role-based authentication, and access control.

### Ceptua Technologies Pvt Ltd.- Freelancer Developer ( URL - [sahiprice.com](http://sahiprice.com) )

May. 2019 - Feb 2020

Working as **Freelancer** towards a pixel-perfect responsive hybrid start-up, building information architecture, well-designed & scalable MongoDB database, and implemented REST API in NodeJs with best practices. Achieved an average load time of 3.59s.

### CodeJudge Inc. Los Angeles, California - Intern

May. 2018 - July 2018

A programming internship as Problem setter, formulating test cases, writing solutions and scripts for evaluating code submitted by a developer against a given problem, enabling the recruiter to hire the best talent. **Awarded as the Best Intern 2018.**

## ACADEMIC PROJECTS

### Intern management Portal

Jan. 2019 - May 2019

Intern management app for lessening of documentation, transactions monitoring, interview scheduling, recruitment, data processing, Redressal, Task management, and Report evaluation. Currently used by DTU administration & over 7,500+ students.

### Investment Predictions using DCF - Project URL

May. 2020 - May 2020

Stimulated the Discounted cash flow model to estimate the value of an investment based on its future cash flows using Python3.

### WSJ - Mock Stock Game Application - Project URL

Dec. 2018 - Feb 2019

Organized a Mock Stocks competition in DTU and developed a Game App for a real-time price variation of the stock value in the pseudo online market using socket.io and node.js. Generated revenue of 20,000 with 230+ onsite participants.

## SKILLS

**Languages & Frameworks** - C++, Python3, Typescript, Javascript (ES-6), OOPS, NodeJs, Redis, MongoDB with Mongoose Js, MySQL\*, Angular 8, React JS, React Native\*, REST API, AJAX, JSON, and PWA.

**Data Science** ( Beginner ) - Machine Learning, numpy, scikit learn, pandas, matplotlib, Probability & Statistics.

**DevOps** - Git, AWS, PM2, Bash Shell scripting\*, Linux \*, NGINX\*, CI/CD & Pipelines \*, Selenium (Testing & Automation).

## POSITION OF RESPONSIBILITY

1. **President** of Mathematics and Computing Society managed a team of 28 council members & 250+ society members.
2. **Core Council Member** of ICRA-PAM - International conference in recent advances in pure and Mathematics 2018.
3. **NCC Camp Senior** of **SNIC - NE** and Head of Top cadets selected from 17 NCC Directorates from all over India.

## EXTRA-CURRICULAR ACHIEVEMENTS

1. **3 - Time State Level** & All India winner of debating competition organised by **ECI & Directorate of Education**, Delhi.
2. Winner of Aahvaan'20, TRIQETRA'19, UDGOSH'18, TRIQETRA'18, Aahvaan'18, UDGOSH'17 - **Football Tournaments**.
3. Served as **Executive Board member** in 10+ International and National Level **Model United Nations - MUN** in India.
4. NCC - **Senior Under Officer**, having done a **SNIC & 3 ATC** - Annual Training Camps of NCC under Indian Army personnel.