



## ACADEMIC DETAILS

Year	Degree / Board	Institute	GPA / Marks(%)
---	B.Tech in Computer Science & Engineering	Indian Institute of Technology, Delhi	9.367
2018	CBSE (12th Board)	Rose Mary Convent School	93%
2016	ICSE (10th Board)	Malwa School	94.4%

## SCHOLASTIC ACHIEVEMENTS

- Secured All India Rank 90 in JEE Advanced among 1.2 million candidates.
- Received Institute Merit Award for being in Top 7% students for Semester-I 2018-2019 at IIT Delhi.
- With All India Rank 337, received KVPY Fellowship Award by Department of Science, Government of India.
- Invited by University of Sydney to attend as a Visiting Research Student at SCS Labs, University of Sydney
- Awarded 2nd Prize in DevClub Hackathon organized at IIT Delhi building a utility for Shuttle Bus Service.

## INTERSHIPS

- **Microsoft, Hyderabad:** *Software Developer* (May, 2021 - Present) : **Task Management System**
  - Built a task manager browser extension for increasing the productivity of users at personal level
  - Implemented the Kanban and Eisenhower matrix methodologies for efficient task management.
  - Utilized AAD for authentication and Microsoft Graph API for synchronization of data across all Microsoft applications.
- **Nokia, Gurgaon:** *Software Developer* (April, 2020 - June, 2020) : **Biometric Authentication and User Interaction**
  - Built text dependent speaker recognition and fingerprint recognition module for adding authentication to office robot.
  - Utilized GMM-UBM for speaker recognition facilitating spectral noise gating for noise abstraction.
  - Used image processing techniques like Gabor filter, normalization and thinning for latent fingerprint enhancement.
  - Integrated voice command facility utilizing wit.ai and user convivial graphics utilizing Qt library.
- **Flexiele, Gurgaon:** *NLP Research Specialist* (July, 2020) : **Cloud Based HR system utility**
  - Built a resume parsing system, integrated with aws s3 for data management, and deployed it as an api over the cloud.
  - Used extensive NLP tools like Spacy, Microsoft recognizers for cleaning data and developing a robust parsing system
  - Designed a Conversational Interviewing system for evaluating knowledge and quantifying confidence of a candidate.

## PROJECTS

- **Raster Table Image Accessibility** : *Prof. M Balakrishnan, IIT Delhi* (May, 2019 - July, 2019)
  - Developed a software for the extraction of tabular data from scientific text sources and research papers.
  - Used Hough line transform and Contour predicated approach for facilitating the extraction of tabular structure and data.
  - The project was as part of Reading Assistant for visually Impaired aimed at providing blind with reading assistant.
- **Candidate Ranking System** : *Prof. Niladri Chatterjee, IIT Delhi* (Nov, 2019 - Jan, 2020)
  - Utilized various NLP tools for parsing a resume and keywords based classifier for resume segregation.
  - Used attribute based scoring, facilitated by semantic sentence matching, for ranking based on given job description.
- **Mobile Wireless Gaming Controller** : *DevClub, IIT Delhi* (Mar, 2020 - April, 2020)
  - Developed a application that turns your smartphone into a controller for any emulator that supports custom buttons.
  - Built server-client architecture using TCP and UDP sockets for communication and py-automation for OS signals.
  - Added gesture perceiving controls for improving usability as well as game playability of the controller.
- **Event Driven Simulation** : *Prof. Kolin Paul, IIT Delhi* (Feb, 2020 - Mar, 2020)
  - Implemented a simulator for comparative analysis of single-queue multi-server and multi-queue multi server models.
  - Studied scenarios of crowd management to deduce better model for better employee and customer experience
- **BitTorrent** : *Prof. Aaditeshwar Seth, IIT Delhi* (Sept, 2020 - Nov, 2020)
  - Built a custom torrent system for downloading large files parallelly from multiple peers
  - Implemented intelligent distribution of chunk between the peers as well as multiprocessing for faster download
  - Handled the connection break / missing data issues with successful resuming of download without any loss of data

## TECHNICAL SKILLS

- Programming: Java, C/C++, Python, SQL, Dart, Ocaml, VHDL, Prolog, HTML/CSS, NodeJs, MIPS
- Software & Tools: Spacy, OpenCV, Flutter, React Js, Android Studio, Linux, Arduino, AWS, Azure

## EXTRA CURRICULAR ACTIVITIES

- Member of Software Development Club, IIT Delhi.
- 4-star rated coder (C++, Java) at codechef scoring Global ranks as high as 434 in contests with 23000 participants.
- Core Team Member and Lead Developer at IIT Delhi startup, Acadmaze for over an year.  
*The startup was selected as regionalist at Entrepreneurship World Cup, and at iB Hubs start-up school.*