

# Parth Sarthi Prasad

## Curriculum Vitae



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## WORK EXPERIENCE

DEC 2019 - JAN 2020 (WINTER INTERN)

### Defence Research and Development Organisation, Delhi *Web Developer Intern*

Development of Employee Management System for D.R.D.O, SSPL, Timarpur. Maintenance of records, attendance, research and current project in a safe and secure internal Network. Developed and Deployed the EMS in the internal server, Using Django, PostgreSQL, Elasticsearch and Javascript. Worked in Development of UI and autocompletion and querying in database for employee search

MAY 2020 - JULY 2020 (VIRTUAL INTERNSHIP)

### JPMorgan *Virtual Internship*

Participated in virtual internship program with intern-Sherpa, using data visualisation in react application and submitting video submission under JPMC

## PROJECTS

### Real-Time anomolous detection and database management

System to capture face, expression and gesture of targeted persons (Criminals) through distributed CCTV System and maintaining it in a database along with time and location stamp. Using Nginx-RtspSever, HLS,ffmpeg, ReactJs, Mongod and VGC-16 Model.

[Project Link](#) [Model Results](#) [Youtube Link](#)

### Gaze-Correction in real time video conferencing

Creation of solution to correct eye gaze of individual. To generate a virtual webcam with corrected Eye-Gaze. Using OpenCV, v4l2loopback, ffmpeg for a cross platform solution. [Project Link](#) [Youtube Presentation](#)

### Member of UAV-Team Kalpana

Member of College Society, Cansat Team Kalpana, participating in international UAV challenge held in Australia, Working in path planning and video transmission for UAV project. [Github Organisation](#)

### NPM-Resume

Created a npm package of my resume which can be downloaded and run using the terminal commands npm install parthsarthiprasad. Using chalk js to beautify the terminal run module version of resume. [Project Link](#)

## PUBLICATIONS

**IoTBC-2020** (2020). CRC Press Acceptanced Manuscript. *Blockchain Technology for Data Privacy Management* (Series: *Advances in Intelligent Decision-Making, Systems Engineering, and Project Management*, CRC Press, Taylor Francis, USA

## SKILLS

FAMILIAR	Python, MySQL Express, PostgreSQL, MongoDB
FLUENT	C, C++, Java, NodeJS, JavaScript HTML, CSS, LaTeX
PACKAGES	Git, ReactJs, Django, OpenCV GDB, Postman, Wireshark, XilinxISE
EMBEDDED PLATFORMS	Arduino, RasberryPI 8085Microprocessor

## ACHIEVEMENTS

- 2020 **Finalist in SIH**  
Department Of Science and Technology  
Gaze correction in real time video conferencing
- 2019 **Finalist in NEC-AURORA TSUBASA  
national hackathon**  
TOP 6 in 830 teams across India  
Threat Detection and identification in public  
camera using RES-NET and database entry storage.

## EDUCATION

2018 - PRESENT	<b>Bachelor of Engineering</b> CGPA : 8.28 Computer Science Engineering <i>Netaji Subhas University of Technology</i>
2018	<b>CBSE(CLASS XII)</b> PERCENTAGE:91.2 <i>St.Xavier's Senior Secondary School, Delhi</i>
2016	<b>CBSE(CLASS X)</b> CGPA : 10 <i>St.Xavier's Senior Secondary School, Delhi</i>

## EXTRA-CURRICULAR

MEMBER	Chapel Github, Chapel
CONTRIBUTOR	Mar,2020 – Present
CONTRIBUTOR	VS-Code Github, Microsoft Bug report and fixing for yo-code generator
CONFERENCES	NSUT-Debsoc Executive Committee
LITERARY	Literary Department, St.Xavier's School
2017,2016	Vice-President, Editor (School Magazine)
SPORTS	Martial Arts National Gold, 2012 , 2013