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ACADEMIC DETAILS

Education	Institute	Year	CGPA / %
B.Tech (Mechanical):	Indian Institute of Technology, Kharagpur	2016 - 2020	**6.66 / 10**
Senior Secondary:	Guru Ram Dass Academy Sr. Sec. School, Aujla	2016	**100 %**
Secondary:	Jiya Lal Mittal D.A.V. Public School, Gurdaspur	2014	**9.6 / 10**

SKILLS & EXPERTISE

Programming Languages : C++, Java, Python, JavaScript, Android, Maven, Bash, HTML, CSS, LaTeX

Software Packages: Intellij Idea, Android Studio, Visual Studio Code, PyCharm, MS Office, Word, Excel

Database & VCS: MongoDB, MySQL, git, Github

Frameworks & Libraries : Chromium Embedded Framework, Eectron, Flutter

CAD & UI/UX : SolidWorks, Autocad, Adobe XD

PROJECTS

- **Google Code-In Mentor | OpenRoberta Lab**   **December, 2019 - Jan, 2020**
  - Mentored a total of **39** Students working on **13** different Tasks setup by ORG mentors and admins.
  - Walkthrough the codebase of Open Roberta Lab and assisting students in resolving doubts daily.

- **Software Developer | Intugine Technologies**   **May, 2019 - July, 2019**
  - Built an Algorithm for resolving the wrong Jump/Ping points and deploying it on the main website using NodeJS.
  - Automated Billing and Late Trips Report which are circulated monthly or daily using **AWS lambdas**
  - Built a parser for the Database using python and deploy it to the **Python Package Index(PyPI) Repository**.
  - Collected data from **Open Street Map** for different locations of India and used as a training set for ETA Prediction.
  - Worked on modules for Trips, Battery Percentage, Halts for new Operations dashboard programmed in Python.

- **Google Summer of Code | OpenRoberta Lab**   **May, 2018 - August, 2018**
  - Integrate the server and a Web-View using **Chromium Embedded Framework(CEF)** running it entirely locally.
  - Customized important features of the Web-UI that were not required in the Standalone version of the software.
  - Combining the **Blockly** elements with the Parts of USB program to allow it to work with the local Robots.
  - Finally bundling the app as an Android app which helps in transferring the code directly to the robot using mobile.

- **Kharagpur Winter of Code | Student Mentor**   **December, 2019 - January, 2020**
  - Mentored a total of **5** students working on an Android app for IIT integrating with **Enterprise Resource Planning**.
  - The main app incorporates Where is my Professor, Time Table, Previous year Question papers, Chillzone to find empty classes and other MetaKGP Projects.

- **Kharagpur Winter of Code | Student Developer**   **December, 2018 - January, 2019**
  - Participated and Mentored different Android Projects in Kharagpur Winter of Code held by IIT Kharagpur.
  - Properly structured the code for the TicTacToe App by creating different directories for assets, resources and code.
  - Added support to Landscape mode and removed Splash screen for Voice Calculator and structured codebase.

AWARDS & ACHIEVEMENTS

- Secured **1st rank** among **3.40 lakhs** students in Senior Secondary in Punjab School Education Board, 2016-17
- Secured **1st rank** in Codechef Competitive Coding October Challenge 2018 Division 2
- **Bronze** Medal in Weightlifting(Under 77Kg) at Sangram IIT Roorkee, 2018 and Open IIT Powerlifting, 2018.

CO-CURRICULAR ACTIVITIES

- Active member of National Sports Organization (NSO), IIT Kharagpur from July 2016 - April 2018
- Part of **Silver** Winning Illumination and Rangoli team of Azad Hall of Residence, IIT Kharagpur
- Part of Publicity and Event Managing teams of Khoj 2017, a treasure hunt event organized for first-years
- Frequently participate in Competitive Coding contests and open source projects
- Frequently participate in Capture the flag(CTF's) and also volunteer in **DEFCON** 2020.