

SARTHAK KUMAR

Patna, Bihar, India

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Technical Skills

Technologies: Java, HTML, CSS, JavaScript, SQL, LaTeX, GitHub

Tools: Atom, NetBeans, Todoist, Figma, Ubuntu, Microsoft Office, UiPath, Matlab

Languages: English (Upper Intermediate), Hindi (Native), French (Beginner)

Experience

Opulent Infotech

Jul 2020 – Jan 2021

Project Assistant Intern

Patna, Bihar

- Followed and enhanced the processes for smoothed operations under the guidance of Project Manager.
- Planned, coordinated and recorded device dispatch from control center and installation status for all 38 districts.
- Explored ways to visualize and send a daily report of results to team members using Airtable, Excel and UiPath.
- Coordinated with 12+ on-field executives for their status report and supporting them on technical aspects. Validated 1000+ installations.

Wrytin

May 2019 – Jun 2019

Content Writing Intern

Patna, Bihar

- Wrote over 44 articles within a span of six weeks with more than 8000 reads in all.
- Collaborated with team members for researching about assigned topics. Brainstormed over 15+ unique ideas.
- Assisted Team Lead in editing and simplified the process of content evaluation. Reduced time needed by 25%.

Projects

Major

Smart Antenna for 5G Communication

Ansyz HFSS, emTalk Calc

- Researched thoroughly about 5+ Antenna; their types, behavior, various parameter and possible array structures.
- Incorporated, Analysed and Debugged 8+ Patches, 3 Array formats and 3 BLC 3 different frequencies.
- Reinforced Band-width, Beam-width, Gain and Radiation pattern to achieve the best suited beam-steerable antenna.

Minor Projects

- Gene finding from DNA strands (Java)
- Green Screen Algorithm (Javascript)
- Analysis of real-time Earthquake data (Java)
- Movie Recommender System (HTML, CSS, Java)
- Piano Playing Bot (UiPath)
- Matbot for Learners (Matlab, UiPath)
- Automated logging at startup (UiPath)
- Smart Switch for Home Appliances (Arduino, IoT)

Education

Birla Institute of Technology Mesra

Jul. 2017 – Jun, 2021

Bachelor of Engineering in Electronics and Communication

GPA-8.1/10.0

St. Karen's High School

Jun, 2015 – May, 2017

Intermediate

Score-92.6%

St. Karen's Secondary School

May, 2015

Matriculation

CGPA-9.8/10.0

Leadership / Extracurricular

Technical Club

Jun, 2019 – May, 2021

President

- Organized 15+ workshops, engaging activities and competitive events at regular intervals.
- Cross functionally aided 4 teams; Event Organising, Resource Management, Finance and Public Relation.
- Led society of 45 members to work towards goals that augment and promote projects, academics, and unity.

Literary Club

Dec, 2019 – Jun, 2021

Secretary

- Re-established the society to harness interest of students in literature and culture. Received 50+ sign-ups.
- Led a team of 30 members from different batch and branches. Mentored them and organised 10+ events.
- Designed and deployed an open blogging website for writers with user friendly interface. Got 75+ publish in one month.