AVI SINGH RAGHUWANSHI | 17MI33003

MINING ENGINEERING SAFETY ENGG. (M.Tech Dual 5Y)

EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2022	M.TECH Dual Degree 5Y	IIT Kharagpur	7.19 / 10
2016	M.P Board Higher Secondary Examination	Brilliant Higher Secondary School, Vidisha	86.4%
2014	CBSE(AISSE)	S.P.P.S Jabalpur	10 / 10

AWARDS AND ACHIEVEMENTS

- Received the Pratibhashali Vidyarthi Protsahan Yojana **scholarship of INR 25,000** by the M.P. govt. for exemplary academic performance
- Represented Jabalpur district in Intra **State Badminton Tournament** in under-14 and under-16 categories for three consecutive years
- Raised **INR 0.1mn** for **Prime Ministers Kerala Relief Fund** by carrying out donation drive amongst campus residents of IIT Kharagpur

INTERNSHIPS

Automated Tweets for Covid-19 - *Relaso Enterprise Software Pvt Ltd*   [Apr' 20 - Jul' 20]
- Developed a robust application using **JSOUP** library in **Java** to fetch national and state wise covid-19 live data from www.mohfw.gov.in
- Analysed the data and generated **130+** twitter threads per day covering the recovery rates, active cases, cured cases and death rates
- Managed the database using **DB4O** database management system and automated the company's twitter handle using **twitter API** calls
- Attained a reach of **35,000+** twitteratis by automating the tagging of relevant states, COVID-19 and ministry of health and family welfare

AI Based News venture - *Relaso Enterprise Software Pvt Ltd*   [Apr' 20 - Jul' 20]
- Developed a **web crawler application** using the **RSS Rome tool** and **JSOUP** in **Java** to extract admissible data from 25+ news websites
- Used **DOM Manipulations** to eliminate advertisements, tweets and instagram stories**;** automated failure warnings using **Pushbullet API**
- Used the **Java Interface methods** to generalize the algorithms and minimized the fetching time using **Scheduled Thread Pool Executor**
- Scraped more than **5000+** national and international news articles per day in a particular format which were used to train the ML model

Inventor Sanity Testing Automation - *Dassault Systemes, Pune*   [May' 19 - Jul' 19]
- Automated more than **80 sanity testing scenarios** for Inventor cad tool and 3DxCad connector for both cloud & on-premise environment
- Incorporated **Java** and automation tools **(Sahi Pro, Sikulix and AutoIT)** to execute the automation process using company's framework
- Reduced the quality assurance time by **30 minutes** over manual testing method; Incorporated **TestNG framework** for logs and test cases

Content Management - Embibe, Bengaluru   [May' 18 - Jun' 18]
- Assessed and authored the content related to Joint Entrance Examination; worked on data cleaning for automation of metadata tagging
- Ideated a new feature **"Smart time-table"** based on the maximum efficiency hours and time devoted by a student on a particular section

POSITIONS OF RESPONSIBILITY

Coordinator - *Students' Alumni Cell, Office of Alumni Affairs, IIT Kharagpur*   [Apr' 19 –Aug' 20]
- **Led a team of 35 members** in coordination with the Dean Alumni Affairs office to execute all Student-Alumni activities of IIT Kharagpur
- Appointed as the **Sponsorship Head**, was able to raise a sponsorship of **INR 1.8mn** for the flagship event 17th Annual Alumni Meet
- Spearheaded the Affinity Programme & engaged **4 new renowned brands** with **40000 alumni, 15000 students & staff** of IIT Kharagpur
- Organized the **first-ever Golden Reunion** for the batch of 1970 witnessing a participation of more than **350 alumni** of the institute

Student Member - *Students' Alumni Cell, Office of Alumni Affairs, IIT Kharagpur*   [Aug' 18 - Apr' 19]
- Organized 16th Annual Alumni Meet consisting of **15** events and **2** pronites involving a participation of **300+** alumni and **3000+** students
- Accredited for raising sponsorship from **9 pre-eminent** brands worth **INR 0.3mn** for 16th AAM, highest amongst all the team members
- Designed and published the annual alumni magazine Yearnings of Yore for **350+** alumni and the Institute Yearbook for **2500** students
- Incorporated fundraising strategies to raise **INR 80 Million** under the Institute Endowment Fund to assist **over 60 Institute-level projects**

Secretary - *Badminton Sub-Committee, IIT Kharagpur*   [Aug' 18 - Apr' 19]
- Elected as the Secretary Badminton Sub-Committee, Technology Students' Gymkhana by a mandate of **10000+** students of the Institute
- Worked under the **President, TSG** and administered the allocated budget of **INR 0.25mn** for organising all the TSG badminton activities
- Managed the institute Badminton team that bagged the **gold** medal in the **53rd Inter IIT Sports Meet** at IIT Guwahati during my tenure
- Solely responsible for organizing Inter Hall General Championship and Fresher's tournament which saw a participation of **200+** students

SKILLS AND EXPERTISE

- **Programming Language:** C, C++, Java, JavaScript, CSS, HTML
- **Software &Tools:** Sikuli, AutoIT, SahiPro, Gradle, Git, MongoDB, DB4o, Bootstrap 4, Heroku, React, Express, Node, NPM, JUnit, TestNG
- **Coursework:** Probability and Statistics,Programming and Data Structures,Foundations of Entrepreneurship,Economics of Entrepreneurship
- **Online Course: DataStructures & Algorithms (GeeksForGeeks);** Studied data structures & algorithms along with 200+ coding problems

CERTIFICATIONS

The Web Developer Bootcamp by Colt Steele - Udemy
- Developed an end to end blogging website for camping sites covering latest front-end and back-end technologies as an incourse project
- **Tech-Stack:** Front-end - HTML, CSS, Bootstrap 4, JavaScript , jQuery | Back-end- NodeJS, Express, MongoDB, JavaScript

EXTRA CURRICULAR ACTIVITIES

- **SPORTS:** Bagged an overall **4th Position** in the CBSE West Zone cluster Badminton Tournament for Satya Prakash Public School, Jabalpur
- **CULTURAL:** Integral part of the **Silver winning** Illumination & Rangoli (2018) team of Lal Bahadur Shastri Hall of Residence, IIT Kharagpur
- **SOCIAL:** Identified & resolved the problem of hygiene and scarcity of utensils in mess faced by **1800+** students of L.B.S Hall of Residence
- **MENTORSHIP:** Mentored **5** freshmen students on campus for over an year under the purview of the Dean of Student Affairs, IIT Kharagpur

!self declaration by the student