Sehej Jain

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EDUCATION

IIIT JABALPUR
BTech in Computer Science
2018 – 2022 | MP, India
Cum. GPA: 8.2 / 10.0

MODERN DPS
High School
Grad. May 2018 | Faridabad, India
Senior-Secondary: 92.6%
Secondary: GPA: 10.0/10.0

LINKS

Github:// **sehejjain**
LinkedIn:// **sehejjain**

COURSEWORK

UNDERGRADUATE
Data Structures and Algorithms
Soft Computing
Artificial Intelligence
Database Systems
OOPs
Higher Mathematics.

SKILLS

OVERVIEW
Machine Learing • Soft Computing • Full Stack Development• App and Web Development

LANGUAGES
Python • Dart • Java • C++ • MySQL

FRAMEWORKS
Flutter • Scikit-Learn • Tensorflow • Django • PyTorch • No-SQL Databases

LEADERSHIP ROLES

SENATOR | Student Senate, IIIT Jabalpur
April 2021 – Present

CO-CONVENER | Cultural Fraternity, IIIT Jabalpur
April 2021 – Present

PLACEMENT REPRESENTATIVE | IIIT Jabalpur
September 2019 – Present

CO-ORDINATOR | Saaz–The Music Club, IIIT Jabalpur
April 2021 – Present

EXPERIENCE

FUSION IIIT | Project Steering Team
January – May 2021
- Led and managed multiple teams of students to create an Enterprise Resource Planning (ERP) system for IIIT Jabalpur.
- Besides this, personally supervised 2 teams of 14 students who were tasked with creating an entire Mobile Application from scratch encompassing various Automation modules for the institute.

ABC GROUP | Flutter Developer
May – August 2020 | New Delhi, India
- Developed a Project Management Suite for efficient Site & Project Management.
- Features include Document and Plan Management, Daily Progress Reports, Customised Report, Material Management, Human Resource Management and Project Expenditure Management.

PROJECTS AND RESEARCH

GENOME SEQUENCING USING NATURE INSPIRED ALGORITHMS   November 2020 – Present
Supervisor: **Prof Kusum K. Bharti**
Our work is on the Combinatorial-Optimization problem of Genome Sequence Assembly. We aim to research, improve existing and create new Nature Inspired Optimization Algorithms to solve this problem.

SIRHAANA | Empowering the Urban Poor | Global Top 16 | Bay Area Global Health Innovation Challenge
November 2020 – Present
Our project, Sirhaana was selected amongst the top 16 teams in the BAGH Innovation Challenge. The solution focused on bridging the gap between the urban poor and the healthcare system by leveraging local resources and networks.

THIS IS US   2019 – 2020
Flutter application that was designed to connect volunteers to various volunteering opportunities. Earlier created in Django but later shifted to Flutter to create an Android, iOS and Web Portal. Tech Stack :: Flutter, Dart, Google FireBase, Google FireStore, ML-Kit

HONORS AND AWARDS

2021	Global top 16	Bay Area Global Health Innovation Challenge
2020	A+ Grade	6th Flipr Hackathon
2020	Finalist	Hack'20
2020	National	Healthathon 2020

PUBLICATIONS

[1] S. Jain and K. K. Bharti. Cell division inspired optimization algorithm. *Swarm and Evolutionary Computation*, Under Review.

[2] S. Jain and K. K. Bharti. Chaos inspired particle swarm optimization with levy flight. *Applied Soft Computing*, Under Review.