Surbhi **Goel**

EnI Junior

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Education

Birla Institute of Technology and Science (BITS), Pilani   *Pilani, India*

B.E. in Electronics and Instrumentation Engineering, CGPA : 6.53/10.00   *2018 - 2022 (Expected)*

Course Work- Information Retrieval | Internet of Things | Computer Programming | Digital Design | Digital Image Processing | Microprocessors and Interfacing | Control Systems

Experience

Niroggyan   *Remote*

Product Developer   *Jul. 2020 - Sep. 2020*

- Worked with Niroggyan to deliver smart diagnostic **mobile-friendly test reports** as **Cloud-based SaaS** to wellness-focused organisations who are supported by diagnostics.

Power Grid Corporation of India Limited   *Remote*

Electronics Engineering Intern   *May 2020 - Jun. 2020*

- Researched on various **communication systems** and how to improvise them.
- In depth study of the future-proof technology of **Fibre optics and Optoelectronics**.

Projects and Competitions

MSP Recruitment Web - Portal

Full stack web development

- Developed a web portal for **conducting online Recruitment Test** for MSP BITS Pilani Student Chapter.
- The test was conducted with **more than 300 students** participating simultaneously.
- Used **Django** framework for back-end and **HTML, CSS and Javascript** for front-end.

Bio-Inspired Algorithms

Computer and Electrical Domain

- Worked under Prof. Dheerendra Singh on mathematical modelling of bio-inspired algorithms like **Genetic Algorithm** and **Particle Swarm Optimization** for designing PID controllers in MATLAB.

Facebook Hacker Cup   *Jul. 2020*

Became one of the **top 10% registrants** to qualify Facebook Hacker Cup Qualification Round with a rank of 3,842.

SheCodes Indeed Challenge   *Sep. 2020*

Participated in SheCodes 2020 and secured place in **top 19% participants**.

Position Of Responsibility

Microsoft Student Partners (MSP), BITS Pilani   *Jun 2020 - Present*

Competitive Team Lead

- Led a team of **30+ tech enthusiasts** and conducted **lectures on competitive programming** for group skill development.

Coding Club, BITS Pilani   *Aug 2019 - Present*

Core Team Member

- Gave lectures on **competitive programming** and **back-end development**. Have been an active member of the club during **technical fests**.

ACM-W Student Chapter, BITS Pilani   *Aug 2018 - Present*

Core Team Member

- Helped coordinating various activities in the club, including the organization of events and workshops and took introductory lectures for **Back-end Development** as a member of the club.

Skills

| Languages | **Advanced:** C++, Java, Python | **Intermediate:** Javascript, C, CSS |
| Technologies | **Advanced:** Django | **Intermediate:** React, MongoDB, AWS |