

## BHAVYA SHARMA

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### EXPERIENCE

- ❖ **SDE INTERN | TAKSHILA LEARNING (07/2021 – 08/2021)** | worked on software based web development at the Edu tech startup Takshila University. | *ReactJS, NodeJS, LAMP Stack, AWS, Gatsby*
- ❖ **INTERN | INDIAN INSTITUTE OF TECHNOLOGY, DELHI (05/2020 – 07/2020)** | developed software and hardware systems and successfully deployed on a real time model of a four legged rough terrain quadruped. | *software development, algorithms, ROS, Gazebo, Arduino, hardware build*
- ❖ **TEACHER | YOUNG TECHNOLOGY SCHOLARS, PLAKSHA UNIVERSITY (06/2020) AND (06/2021)** | Took courses on computer Science, cryptography and cyber security teaching over 350+ students. | *Python*
- ❖ **INTERN | GRASIM INDUSTRIES, NAGDA (05/2019 – 07/2019)** Worked at Grasim Industries, Nagda, India. To find quick deployable solutions for active issues around the industry - secured a [letter of recommendation](#) for the same.

### EDUCATION

- ❖ BITS Pilani, Goa Campus | B.E. Chemical Engineering | (2017-2022)
- ❖ XII (CBSE) | G.S. Jangid Memorial School (2017)
- ❖ X (CBSE) | D.P.S. Jodhpur (2015)

### PROJECTS

- ❖ **SHELL DEVELOPMENT**  
Built a bash-like shell in C that runs commands as subprocesses and supports UNIX pipes. | *C, bash scripting*
- ❖ **DATA VISUALISATION TOOL**  
made a tool to visualise weather and climate data in many forms using Matplotlib, Bokeh and Altair Python based libraries.
- ❖ **HUMAN MACHINE TEAMING | DRDO**  
Teaming swarm quadcopters with humans to provide efficient functioning, this project was in collaboration with DRDO. | *ROS, Gazebo, Software development*
- ❖ **MOTION PLANNING OF A VEHICLE**  
wrote Python 3 code to simulate the motion of a F1 race car on a complicated racetrack. | *Gazebo, algorithm development*

### POSITION OF RESPONSIBILITY

- ❖ **Outreach Coordinator | Sandbox Makerspace, College (05/2019–05/2020)** Organized hackathons & conducted sessions for 300+ college students on Web Development related topics.

### SKILLS

Python, C, C+, HTML, CSS, JavaScript, Gatsby, Jekyll, ReactJS, NodeJS, LAMP stack, Apache, MySQL, PHP, AWS EC2, AWS S3, Matplotlib, Bokeh, Altair, data structures, algorithms