Shashank Kumar

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CAREER OBJECTIVE
Looking forward to an opportunity for working in a dynamic, challenging environment, where I can utilize my skills for developing my career and for the growth of the organization.

EDUCATION
BMS College of Engineering, Bangalore
Bachelor of Engineering
Computer Science & Engineering
GPA: 8.4/10

SKILLS
Languages: C++, JavaScript, Python, HTML5, CSS3
Technologies: Flutter, ROS, Gazebo Simulator, MySQL.

INTERNSHIPS
Indian Institute of Science, Bangalore
Intern, July 2020 - December 2020
- Evaluated websites using W3C tools and imitated them using Cambridge Simulator to **detect accessibility issues**. Proposed a concept of a **common user profile format** to compare and contrast accessibility, and to simulate and **personalize interaction for users with disability**. Link
- Worked on a **virtual keyboard** using **eye tracker** for people with varying abilities by implementing. A two-level tree-based layout using **genetic algorithm** to optimize arrangement of keys.

Nokia, Bangalore
Project Associate, April 2020 – September 2020
- Simulated the **improvement** in **efficiency** of an adaptive array antenna by implementing **genetic algorithm** for single and dual user configuration using MATLAB/Octave & presented results in a polar plot graph long with the **gain comparison**.
- Suggested **improvement** in the **design of existing 5G antenna** by introducing a tilted conical shaped antenna. Performed detailed comparison of antenna patterns obtained in various weather conditions, along with the comparison of the attenuation produced in these conditions. Link

PROJECTS
ML Project- Heart Disease Predictor, Computer Science Department, BMS College of Engineering
March 2021
- To predict whether a person is suffering from a heart disease. Applied K Neighbors Neighbor, Support Vector, Decision Tree and Random Forest Classifier and achieved accuracy of 87% with 8 nearest neighbors in kNN. Link

Mobile App- IMDB- Rating Replica, Computer Science Department, BMS College of Engineering
December 2020
- Movie & TV Show App Using Dart and Flutter SDK, Replica of the IMDB mobile app. Used REST-API. Link

ACHIEVEMENTS
• Was in **Top 6** among 36 projects shortlisted from over 1000+ applicants to be presented at the Nokia **Research Presentation Conclave** in Bangalore, Karnataka.
• Selected to serve as a **Delegate** in the **Harvard Project for Asian and International Relations** Conference (HPAIR - 21') held in Taipei City, Taiwan.