**Surya Sajeev**

**PROFILE**

A Fresh Engineering Graduate with adequate leadership and technical skills, seeking an entry level position in an organization, preferably in the field of Mechanical/Computer Engineering which can provide an opportunity to improve my skills and knowledge, resulting in meaningful contribution towards organizational growth along with personal and professional development.

**EDUCATION**

* **B.Tech Mechanical Engineering**

**CGPA – 7.94 / 10 2019-2023**

Amrita Vishwa Vidyapeetham

* **Class 12** – 75.6% **2019**

Institution: **Indian School Muscat**

* **Class 10** – 100% **2017**

Institution: **Indian School Muscat**

**TECHNICAL INTERESTS**

App Development, IoT, Control Systems

**PROJECTS**

**Design of Breech Mechanism of Two stage gas gun.**

Outcome: Ongoing Project (Final Year).

Objective: Investigate an optimal solution for the **Teesta Water Conflict using Game Theory**

Outcome: Proper solution found benefiting both sides using Nash Equilibrium.

**Design and ANSYS analysis of a Continuous Variable Transmission.**

Outcome: Design improved by rectifying proper failures found out by stress analysis using ANSYS.

**TECHNICAL SKILLS**

HTML, SQL, C, C++, Python, Java, MATLAB, Autodesk inventor, CAD, Swift, Web Design, Arena, ANSYS, Microsoft Word, Microsoft Excel.

**INTERNSHIP**

**Summer Intern,** SS Automation Solutions Ltd.

•Program and maintain Backup IoT for control system of the machine.

•Design and assembly of Plummer Blocks & sprocket system using Autodesk inventor and Fusion. •Fabricating and machining of Aluminum blocks & MS plates using axial grinder and assembly of

finished products (chain assembly & conveyers).

•Used Python for programming and managing the vision systems (Facial recognition software for Employee attendance registering).

**CERTIFICATIONS**

**Course on Python Programming,** App Brewery

**Course on App Development (iOS),** App Brewery

**ACHIEVEMENTS & HONOURS**

English, Hindi, Malayalam, Japanese

**EXTRA CURRICULAR ACTIVITIES**

**ANOKHA Tech Fest**

Student Volunteer (Decorations & Security):

•Manage crowds at the Food stalls.

•Allot security posts for volunteers, manage security at the Front Gate.

•Create Decorations, and help decorate the college, showcasing the excitement for the fest.

Wadi Cleaning Drive, Student Volunteer J• Allot positions for volunteers, according to the distribution of the wastes.

• Managed to complete cleaning 3 allocated wadi’s ( valleys which are usually filled with water during rainy

season) in Ruwi, Muscat.

**Workshop on analysis using ANSYS. (Basics)**

Outcome: Learnt basic features of ANSYS and how to conduct stress and strain analysis and find the failures.