Ayan Adhya
Indian Institute of Technology, Goa

Second Year **Undergraduate** , **Mechanical** Engineering
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GitHub: **https://github.com/ayaniitgoa/repositories**

Education

Indian Institute of Technology Goa
Batch of 2018-22
Navrachana School (CBSE), Sama
CBSE 2015-18 | Score:83%.

Projects and Technical Experience

Verzeo EduTech
Summer Machine Learning Training| May-July 2020
- Skills Used: Python, NumPy, Pandas, Scikit-Learn, Matplotlib
- Analysed a student performance dataset to find the causes of lower marks.
- Plotted graphs using the given data to have a more comprehensive knowledge about the causes.

Moody Diagram Plot
April-May 2020
- Skills Used: Django, Python, JavaScript, HTML, CSS
- Plotted two graphs by solving Colebrook's implicit equation using iterative methods like Newton Raphson and Secant methods base dynamically by taking inputs from the user.
- Since Moody diagram is a relation between Reynolds number and friction factor. The user has to enter the set of Reynolds number, length of the pipe, diameter, density, viscosity and relative roughness to plot the graphs of Moody graph using different iterative methods.

Work Experience

Foodwagon Private Ltd.
Summer Web Development Intern | May-June 2020
- Skills Used: Django, PostgreSQL, Python, JavaScript, jQuery, Bootstrap, HTML, CSS
- Developed the entire user authentication system which includes registration, login, password recovery using email and user validation system. The user data will be stored in PostgreSQL database.
- Built the Filter system which includes taking filter settings from the user and making calls to the database to provide and display the required information.

Programming Head, Web Development Team, ArchiTechs
May-2019 - May 2020
- The team had 15+ members. Daily tasks included holding regular meetings and assigning tasks to all the members.
- Built 4 websites for the college. We made websites for Sports club, Cultural club, STAB club and also IIT Goa's, Gymkhana website.
- Worked mainly on JavaScript, jQuery, Bootstrap, HTML, CSS

Cult Rang Website (Cultural Fest, IIT Goa)
December-February 2020
- Developed the website for IIT Goa's 1st Cultural Fest with a team of 5+ students.
- Worked extensively in JavaScript, jQuery, HTML, CSS

Skills

Programming Language: C, C++, Python, JavaScript, Java
Frontend: ReactJS, Redux, JavaScript, jQuery, Bootstrap, HTML, CSS, SASS
Backend: Django, NodeJS (ExpressJS), Flask
Database: PostgreSQL, MongoDB, MySQL
Other skills: Machine Learning, Git, GitHub, Bitbucket

Extracurriculars & Positions Of Responsibilities

Programming Head:	IIT Goa, Web Development Team, ArchiTechs [May 2019 – May 2020]
Cult Rang, Web Development Team Head:	IIT Goa Cultural Festival Web Development Team [Dec 2019-Feb-2020]
Member of IIT Goa's Football Team (2019):	Represented IIT Goa in Inter IIT Sports Meet (IIT KGP)[2019]