

Sujay Vivek

Portfolio: XXXXXXXX

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EDUCATION

- Indian Institute of Technology Kharagpur** West Bengal, India
 - Bachelor of Technology - Electrical Engineering; GPA: 8.20* Nov 2022 - June 2027
 - Courses: Analog Electronics, Data Structures, Artificial Intelligence, Machine Learning, Linear Algebra, Probability and Statistics*

SKILLS SUMMARY

- Languages:** Python, C , C++, JavaScript, Typescript, SQL, JAVA, HTML, CSS
- Frameworks:** Scikit, Pandas, Numpy, TensorFlow, Keras, ReactJS, ThreeJS, React Native, NodeJS
- Tools:** MongoDB, Unity, Android Studio, Blender, Photoshop,
- Platforms:** Web, Windows, Arduino
- Soft Skills:** Leadership, Event Management, Writing, Public Speaking, Time Management

PROJECTS

- Spotify Clone App - Self Project** : Utilised concepts in ReactJS and developed a user-friendly Spotify Clone, implemented feature to play songs across multiple devices, worked on the back-end development of the project and created sophisticated architecture using Web knowledge. Tech: ReactJS, NodeJS, Javascript, HTML and CSS (December 23')
- AI Image captioning model (Machine Learning, Web Development)**: Model trained with over 80,000 images that provides accurate caption to depict any image. Improved accuracy using MaxPooling, Data Augmentation, Batch Normalization and Dropout Tech: Python, ANN, CNN Computer Vision, keras, Scikit libraries, Scipy etc (December '23)
- Global Model United Nations - Communiqué (Web Development)**: Developed complex web components by the implementation of ReactJS showcasing technical and problem solving skills. . Played a key role in crafting a fully dynamic and responsive website, underscoring the ability to create user-centric platforms. Tech: Javascript, ReactJS (Oct 23')
- Official College Prom Website**: Worked on successful Sign Up, Sign In and Registration Forms hence optimizing the festivals online presence resulting in increased engagement. Engineered intricate animations with sophisticated lighting effects within various components enhancing overall user experience Tech: ReactJS, HTML, CSS, ThreeJS(October 23')
- Whatsapp Chat Analyzser (Web Development, Machine Learning)**: (Work in Progress) A website that allows its user to have multiple types of various chat analysis. Have made the model to do analysis Chat member wise and also overall group including Time analysis. Tech: Javascript, Python, Jupyter Notebooks (November 23')
- Bluetooth Sweeping Robot Car - Course Project (Arduino Language)**: A Remote Controlled Robot car that would sweep dirty floors and mats. Made use of transistors, Arduinos, and Motor driver boards for the Components of the RC Robot. Implemented Remote Control using Bluetooth Modules and integrated it into the built model. (April 23')

EXPERIENCE AND INTERNSHIPS

- Spring Fest - IIT Kharagpur** Onsite
 - Tech Subhead (Full-time)* Sep 2023 - Present
 - Mobile Development::** Created a Dynamic Fest Website integrating multiples APIs and successfully hosting it
 - Prom Website:** Worked on a fully functional website, made intrinsic 3D animations leveraging THREE.JS
 - Other Skills:** Implemented successful login and SignUp using JWT authentication along with 10+ team members

POSITIONS OF RESPONSIBILITY

- Secretary - Communiqué - Official Soft Skills and Personality Development Society - IIT Kharagpur** :
 - : Conducted the AIPAT(All India Placement Aptitude Test) and received over 1500 student registrations all over India.
 - : Worked in the Software Team, and guided a cohort of 40+ Associates of the Society in Web Development
 - : Worked along with 30+ members to execute the Global Model United Nations event, our prestigious flagship event.
 - : Conducted CV review and Mock Interview drives to help students in their preparation for placements and internship
- Tech-Sub Head - Spring Fest - Social and Cultural Fest - IIT Kharagpur** :
 - : Worked in a team of Tech Sub Heads to create a fully functional Prom Website and the Official Spring Fest Website.
 - : Engineered intricate animations within our websites and majorly collaborated in the front end component.
 - : Worked on successful Sign Up, Sign In and Registration Forms hence optimizing the festivals online presence.

HONORS AND AWARDS

- Secured All India Rank of 1951 in JEE Advanced 2022(out of 1,55,538 candidates)
- Secured 99.6 percentile all over India in JEE Mains 2022(out of 8,72,970 candidates)
- Won various Case Studies and Hackathons related to Business, Entrepreneurship, Humanities, Finance etc.

EXTRACURRICULAR ACTIVITIES

- Part of the Squash Team:**
 - Part of the Squash Team of Radhakrishnan Hall of Residence in the General Championship amongst other halls*
- Participated in several Tech Events, Open IITs**
 - Took part in many Intra Hall competitions, and participating in the college Tech Fest*