

PRACHURJYA BISWAS

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Web Engineer

WHO AM I?

Currently a student of Chemical Engineering at IIT Kharagpur, India. Highly skilled in UI/UX Development using React and Redux. Also worked on core backend development tasks including SDK Development, REST API Development etc. Want to work for an organization which provides me the opportunity to improve my skills and knowledge to growth along with the organization objective



EXPERIENCE

- 5/2019 – 7/2019 **Product Development Intern** TCG Digital Solutions, Kolkata
UI and UX Development of their Data Analysis Solution, "TCGMCube" using Javascript Frameworks, React and Angular and the SDK Development for the same for clients
node.js / React / Angular / Elasticsearch
- 5/2018 – 7/2018 **Design Intern** Eatable Inc., Bangalore
Responsible for designing the App and Web Interface, Posters, Tent Cards and Logos and also indulged in Regular Discussion on the development of the Design Wing of the Company
HTML / JS / CSS / Adobe Photoshop

EDUCATION

- 2016 – 2020 **Bachelors of Technology** Indian Institute of Technology, Kharagpur
Currently pursuing Bachelors in Technology in Chemical Engineering. Secured a 7.71 GPA until last semester. Ranked among top 1.6% of 1.5 lakh candidates that qualified for Joint Entrance Examination (JEE) Advanced 2016 (AIR 2435)
- 2016 **All India Senior School Certificate Examination** Delhi Public School, Chandigarh
Scored 94.4% under Science Stream with Computer Science (C++). Held the portfolio of IT Secretary and organised multiple Hackathons within campus. Ranked Among Top 1% in Decrytonite - A Cryptic Treasure Hunt conducted by Exun Clan, DPS RK Puram
- 2014 **All India Secondary School Examination** Delhi Public School, Chandigarh
Scored a perfect 10 GPA without an upgradation in any subject. Held the portfolio of Vice Head Boy in 9th Grade. Secured First Position in Inter School Parliamentary Debate conducted by Diocesan Society, Punjab.

COMPETITIONS

- 2019 **Regional Finalists at Hult Prize** ETSAM, Madrid Spain
World's biggest engine for the launch of for-good, for-profit startups in more than 100 countries around the world. Conceived a Social Enterprise to impact 10,000 youth by providing Employment under the Handicraft Industry. Selected among more than 2 lakh applicants to represent IIT Kharagpur in the Regional Finals in Madrid, Spain
- 2017 **Quarterfinalist at Code-o-Soccer** IIT Kharagpur, Kharagpur
Reached the quarterfinals of the All India Coding Competition - Code-o-Soccer organised by KRSGG and Kshitij IIT KGP. Qualified among more than 2000 participants. The event involves with the task of writing soccer playing strategies into code.

PROJECTS

- 2019 **Decentralized Mapping System in Supply Chain using Blockchain** IIT Kharagpur
Development of a Decentralized Mapping System as an Android Application and working on a Blockchain Backend. The solution involves a Smart Contract Blockchain System working on an Ethereum Platform developed on Saas Model. Design of a Question Answer based Proof of Location scheme and execution of BA* consensus algorithm on the Blockchain
- 2017 **CFD Modelling of a Liquid Solid Fluidized Bed** IIT Kharagpur
Simulated a multifluid Computational Fluid Dynamics model with granular flow extension in liquid-solid fluidized bed. Investigated fluid flow patterns and pressure variations on multiple parameters by simulating on 3D design software Ansys

SELF PROJECTS

- Open Source **listentothiskgp** IIT Kharagpur
Developing a Chrome Extension to add songs to Spotify and YouTube Playlist on liking a post on the IIT Kharagpur Campus Facebook Group.
React / Express / node.js
- Open Source **redditlistentothis**
Randomly Shows the Top Listening Recommendations from the "Listen to this" subreddit and on liking the song saves it in your specified YouTube Playlist
React / node.js
- Open Source **Top Artists Playlist**
Using Spotify Web API, get a users top 20 artists and add their top 5 songs to a Top Artist Playlist on Spotify
React / node.js / Spotify Web API
- Start-Up **MedRec Healthcare**
An Blockchain as a Service for the healthcare sector where the Medical Records are added to the MedRec Blockchain and the data can be easily communicated between client Hospitals
HTML / SASS / Angular / GoLang

POSTION OF RESPONSIBILITY

- 2018 **Public Relation Head** Hult Prize Foundation, IIT Kharagpur
Delivered the biggest edition of the On Campus Event with 300+ participation. Was in Charge of Website Design, Brochure Design and Announcements and raised a sponsorship amount of 500K INR
- 2016 - Present **Head (Scripting)** Technology Film Making and Photography Society, IIT Kharagpur
Wrote and Directed 2 Short Films and mentored amateurs to the field of Basic Cinematography, Directing and Editing. Successfully conducted 2 Annual Screenings involving 1000+ attendees.

NON PROFIT

Current Convener of "Vridhhi Educational and Welfare Society", an Non-Governmental Organisation working in Punjab, India. Vridhhi works as an Supplement for the current schooling system by providing basic elementary education and admitting them in the nearest Government Schools.

Worked as **NSS Volunteer** in college. Acted as visiting teacher for Mathematics and Computer Science for the Primary School in Balarampur, West Bengal. Also constructed a Road for the village near the school for better transport.

LANGUAGES

English - proficient
Bengali - native
Hindi - proficient
Punjabi - rudimentary

HOBBIES

An aspiring House and Techno Producer for the last 4 years. Have released multiple singles and an EP scheduled to release in November. Passionately follow Music especially Urban and Electronic Genres and Gaming Communities and write reviews and articles on the same. Also love to Read Fiction especially Mythology