Dipanjan Panja

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Born: February 22, 1998—Lowada, WB, India
Nationality: Indian

Areas of specialization

JavaScript • Web Development • App Development
Linux Server • DevOps

Current position

Jul 20-till date   *head of the technology*, RoomLelo, Rll Technology Pvt Ltd, Varanasi, India
- Design Database, System Architecture and developed a scalable backend, automation
In monthly rent generation.
- Implement cross platform token-based payment system.
- Developing a chat bot-based online booking and monthly rent payment system which works
with WhatsApp and Facebook.
- Implement OTP and role-based user authorization system
- developed control panel for monitor and manage property
- Deploy and monitor web and server performance and improve accordingly.
- Developed RoomLelo Android app and published in Google Play Store with two variants, Lite
app within 600kb for low-end devices
- Manage SEO, Control traffic using CDN

Professional Experience

Jun 20-Dec 20	*Lead Software Engineer,* QriocityBox, Bhubaneswar, Orissa, India

- Developed an encrypted video streaming(DRM) platform using AWS elastic transcoder and HLS Protocol
- For backend use Node JS, Express JS to upload large size of video, REST API
- Use Material-UI, React JS to create a beautiful frontend and Control Panel.
- Implement OTP and role-based user authorization system
- Manage and deploy to production
- Manage Domain, Email, SSL, CDN

2020   *Freelancing*

Projects

Ongoing   *Control Electronics/Electrical Items using DMX512 protocol*

March 2021   *Tv box using raspberry pi 3*

Jan 2021   *Home Automation Using the Internet of Things (IoT)*
- Lighting control, Electric Pump control using Arduino, ESP8266 and SIM800A Quad Band GSM/GPRS Module

Dec 2020   *Live online visitor counter*
- server less real-time online visitors counter with firebase Realtime database you can implement in any JavaScript based frontend / html / React JS / Angular JS

Aug 2020   *Online Admission Portal*
- developed using React JS, Redux, Material-UI and from validate using Formik

Jun 2020   Design of heart rate monitor based on piezoelectric sensor using an Arduino

May 2020   *TO-DO webapp*
- developed using React JS and Redux with offline support

May 2020   *Wearest*
- It's a 7 hours weather application for your current location & also you can search locations. Developed using HTML,CSS & fetch data using rest API. Implement current location (fetch from current IP Address) without getting user location permission.

Apr 20-Jul 20   *Chatpit Messenger*
- a free online chat messenger that allows users to socialize with others without the need to register. The service randomly pairs users in one-on-one chat sessions where they chat anonymously using random names in the case of Spy mode

Education

2014   Secondary Education, Lowada High School

2017   Higher Secondary Education, Science, Lowada High School

Pursuing   BTech in Computer Science and Engineering, GCECT, Kolkata

Grants, honors & awards

2017   West Bengal Joint Entrance Examinations
- General Merit Rank 3609
- Pharmacy Merit Rank 845

Dissertations

Ongoing Low-cost Air Pollutant detection sensor design
- I am working on with an infrared emitting diode and a phototransistor to detect pollutant

Certifications

2019   Java for Android, Coursera
2019   The Fundamentals of Digital Marketing

Publications

2021   RGB LED Remote, Google Play Store
- An app which can control RGB LED Strip lights & Bulbs build with Android device which already have IR Bluster. See project

2019   1F U C4N, Google Play Store
- This app converts any text into 7h15 and lets you share that text to Twitter, WhatsApp and Facebook. See project

2019   Wallpaper Store, Google Play Store
- Find A Loots of 4K Wallpaper, With Good Looking UI , You Can Set Background Wallpaper with One Click, Just Explorer and Enjoy and Give Your Device UI a Better Look
See project

Technical Skills

OS: Windows, MAC, Ubuntu
Tools: Vs Code, Postman, Android Studio, Data Grip, Figma, React Developers Tools
Version Control: GIT
Languages: Functional knowledge of JAVA, Dart, JavaScript, HTML, CSS
Framework/Library: React JS, React Native, Node JS, Express JS, Basic knowledge of Flutter,

Material-UI, socket.IO
Communication: REST API, WebSocket
Database: SQL(Postgresql), MongoDB
DevOps: Docker, Firebase, AWS, Nginx

Languages

Native: Bengali
Proficient: English, Hindi