

# Bishal Deb

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Github - <https://github.com/thebishaldeb>

Portfolio - <https://thebishaldeb.github.io/>

## Summary

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Ambitious and goal-oriented developer offering hard work, enthusiasm and understanding of various programming languages and leveraging some powerful set of technology skills, with strong commitment to collaboration and solutions-oriented problem-solving. Have experience of working in a startup for more than half a year.

## Work Experience

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- **Mentor - Njack Winter of Code, IIT Patna (1 month)** *Dec '19 - Jan '20*
  - Guided the newbies in the field of open source for working on four of my projects that got selected.
- **Mentor - Kharagpur Winter of Code, IIT Kharagpur (2 months)** *Dec '19 - Jan '20*
  - Mentored the students who are new to GitHub to learn the technology along with helping them work on projects under the event for the duration. [Certificate](#).
- **Web Developer - LensHood, Guwahati (9 months)** *Mar '19 - Nov '19*
  - Responsible for the development of the Company's website using the recent technologies like React, GraphQL, Knex and ObjectionJs.
  - Made all the functionalities related to referral module, live search module and some parts of the order module, listing module and user module like authentication, verification, etc.
  - Also responsible for making sure the forms in the website are validated using Formik.
  - Was responsible for keeping a check on the website's UI which was built on Antd framework and keeping a check that the website looks consistent on different screen layouts.
- **Participant- Njack Winter of Code, IIT Patna (1 month)** *Dec '18 - Jan '19*
  - Contributed to different projects, mainly in webdev and learnt the basics of open source. [Certificate](#).
- **Participant- Kharagpur Winter of Code, IIT Kharagpur (2 months)** *Dec '18 - Jan '19*
  - My major contribution was in a project called Keep Clone in which I created more than 15 pull requests in a month and also some issues and solved them. [Details](#), [Certificate](#).

## Skills

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- **Languages** – C, Python, C++, Java
- **Development:** –
  - Frontend* - JavaScript, CSS, HTML, ReactJS, EJS, Antd, Bootstrap, Semantic-UI,
  - Backend* - GraphQL, ExpressJS, NodeJS, PHP, Flask,
  - Database* - MongoDB, MySQL, Firebase, SQLAlchemy, SQL Server,
  - App* - React-Native
- **Tools & Technologies** – Git & GitHub, Heroku, Jupyter, Android Studio, Linux, MATLAB, VS Code

## Academic Projects

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- **Bluetooth Based Cycle Lock** with the in-app verification using 8051 *Dr. S. Nath      Mar '20 -*

microcontrollers. Our goal is to open the locks using app with proper authorization if we forget the keys. Use of bluetooth module and microcontrollers are the main focus of learning.		<i>Ongoing</i>
<ul style="list-style-type: none"> <li>▪ <b>TCP based Trading System</b> using socket programming in C, where traders can sell and buy items based on availabilities. Different stacks are maintained. Concept of shared memory, socket programming, semaphore and file handling is used. <a href="#">link</a></li> </ul>	<i>Dr. N. Sarma</i>	<i>Nov '19</i>
<ul style="list-style-type: none"> <li>▪ <b>Library Management System</b> using the PHP-MySQL stack having functionalities to add, delete, reserve, issue books by registered users, and also the calculation of late fine, everything managed by admin users. <a href="#">link</a></li> </ul>	<i>Dr. S. Saharia</i>	<i>Nov '19</i>
<ul style="list-style-type: none"> <li>▪ <b>App for sharing rides from the campus</b>, built using Java and Firebase with the authentication functionality, send and receive requests of rides, and posting about them. <a href="#">link</a></li> </ul>	<i>Dr. N. Kakoti</i>	<i>Apr '19 - May '19</i>

## Extra-curricular/Freelance Projects

<ul style="list-style-type: none"> <li>▪ <b>Dynamic Website for Edgenus</b> based on React-GraphQL-Antd stack. I mainly worked on the blog module, skills module and modules related to user and comments.</li> </ul>		<i>Mar '20 - Ongoing</i>
<ul style="list-style-type: none"> <li>▪ <b>NodeJS Starter Kit</b> based on React-GraphQL-Antd stack. It can be used a framework for the development of other websites, with functionalities/modules like listings, verifications, blog among others. <a href="#">link</a></li> </ul>		<i>Nov '19 - Ongoing</i>
<ul style="list-style-type: none"> <li>▪ <b>Dynamic Website for Lenshood</b> based on React-GraphQL-Antd stack. I mainly worked on the referral module, user verification module, live search module and also the proper working of the forms while optimizing the data that gets stored in the database through concepts of normalization and foreign keys. <a href="#">link</a></li> </ul>		<i>Mar '19 - Nov '19</i>
<ul style="list-style-type: none"> <li>▪ <b>Dynamic Website for IEEE, Tezpur University</b> based on MERN stack. It has the features to add events, photographs and update the current members by the website admins year wise. <a href="#">link</a></li> </ul>		<i>May '19 - Sep '19</i>
<ul style="list-style-type: none"> <li>▪ <b>Keep-Clone</b>, based on Google Keep, built using React and Firebase. The webapp has functionalities to add notes in various forms like the markdown text, list or hand-drawn, all of which gets stored in Google Firebase's online database. <a href="#">link</a></li> </ul>		<i>Dec '18 - Jan '19</i>

## Education

<ul style="list-style-type: none"> <li>▪ <b>B. Tech (Computer Science and Engineering)</b>, <i>Tezpur University, Tezpur</i> – CGPA – 8.67</li> </ul>	<i>2017 – 2021</i>
<ul style="list-style-type: none"> <li>▪ <b>HSSLC</b>, <i>St. Anthony's Higher Secondary School, Shillong</i> – Percentage – 91.40%</li> </ul>	<i>2015 – 2017</i>
<ul style="list-style-type: none"> <li>▪ <b>SSLC</b>, <i>Shillong Secondary School, Shillong</i> – Percentage – 90.16%</li> </ul>	<i>2010 – 2015</i>

## Achievements

- Successfully completed **HacktoberFest '19**.
- **4343<sup>rd</sup>** Place in HashCode '18 - [Certificate](#)
- **10<sup>th</sup>** Position among top contributors in Njack Winter of Code '18
- **3<sup>rd</sup>** Rank Holder in the state of Meghalaya in Science Stream in 2017

## Certifications

<ul style="list-style-type: none"> <li>▪ <b>Machine Learning</b>, Andrew Ng, Coursera - <a href="#">Certificate</a></li> </ul>	<i>Jun '19</i>
<ul style="list-style-type: none"> <li>▪ <b>AI and IoT Workshop</b>, The Entrepreneurship Cell, IIT Bombay - <a href="#">Certificate</a></li> </ul>	<i>Jan '19</i>
<ul style="list-style-type: none"> <li>▪ <b>The Web Developer Bootcamp</b>, Udemy - <a href="#">Certificate</a></li> </ul>	<i>Jan '19</i>

- **Training on Machine Learning using Python & R**, T&P Cell, Tezpur University *Dec '18*
- **Git Started with GitHub**, Udemey - [Certificate](#) *Dec '18*
- **Training on Python**, T&P Cell, Tezpur University *Feb '18*

## Clubs/Organizations

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- **Chairperson**, IEEE, Tezpur University Students' Branch *Apr '19 - Present*
- **Member**, JPA Film Club, Tezpur University *Nov '19 - Present*
- **Member**, Entrepreneurship cell, Tezpur University *Mar '18 - May '19*
- **Member**, National Service Scheme (NSS) *Aug '17 - Jul '19*

## Languages

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- *English*
- *Hindi*
- *Bengali*
- *Assamese*

## Hobbies

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- *Travel*
- *Reading*
- *Indoor Games*
- *Gardening*
- *Photography*
- *Blog*

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