

Dilip Boidya

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CAREER OBJECTIVE

Seeking to start as a frontend developer, proficient in HTML, CSS, JavaScript, and React for creating compelling user interfaces. Passionate about web development, I strive to contribute to innovative projects remotely, honing my skills and expertise.

EDUCATION

Bachelor of Technology

Electronics & Communication Eng.
Tezpur University
CGPA 7.37
(2018-2022)

Senior Secondary School

Silapathar Junior Science College
Majgaon, Assam -
Percent 73
(2014-2016)

Secondary School

GOVT. Higher Secondary School,
Likabali, Arunachal Pradesh.
CGPA 8.4
(2012-2014)

LINKS

 bitscurrent
 dilipboidya
 Deelip
 Dilip
 Portfolio

LANGUAGE

English: Proficient in writing and speaking
Hindi: Proficient in writing and speaking
Assamese: Intermediate
Bengali: Intermediate

HOBBIES & INTERESTS

Travelling, Cycling, Watching Movies.

VOLUNTEERING

TURS - Tezpur University Robotics Society

2018-2022
• Active member.
• Build simple capacitive sensor.

NSS - National Service Scheme of

Tezpur University 2018-2020
• Organized essay writing competition & volunteered as a teacher.
• Participate in different activities.

TECHNICAL SKILLS

Software Skills: HTML, CSS, JavaScript, React Library, Mongo DB, Express, NodeJS, Python, Git & GitHub, deployment- Vercel and Netlify.

Tools: VS Code, Thunder Client,

Hardware: QUCS, eSim circuit simulator(KiCad,NgSpice,Spice), Icarus Verilog, CST, LtSpice, PCB designing, Soldering, Raspberry Pi, Arduino.

EXPERIENCE & ACHIEVEMENTS

Open Source Contribution - Task Management App by Chingu Jan 2024 - Feb 2024

- The project seeks to develop a powerful and user-friendly platform that enables individuals to successfully plan, manage, and complete their chores with precision.
- <https://task-craft.netlify.app/> and <https://github.com/bitscurrent>

Fellowship - Fellowship on eSim tool at FOSSEE, IIT Bombay May 2022 - July 2022

- An OSS EDA tool, capable of circuit design, simulation & device modelling
- Modeled devices such as Diodes, LEDs, Transmission lines, etc.

Marathon - Mixed Signal Circuit Design and Simulation Duration: 3 weeks

- A step up converter has been designed using eSim and verilog tool, marathon was conducted by IITB, my IP was considered in "Excellent" category.
- <https://github.com/dilipboidya/boost-converter>

Hackathon - Cloud based Analog IC design hackathon Duration: 3 weeks

- The hackathon was jointly conducted by IITH and VSD Pvt Ltd, powered by Synopsys where I have designed an LNA, my IP was under "Excellent" category.
- https://github.com/dilipboidya/LNA_IITH_HACKATHON

Marathon - Circuit Design and Simulation Marathon using eSim Duration: 2 weeks

- A buck converter was designed using the eSim tool with Skywater 130nm tech, organized by FOSSEE, IITB, and VSD Pvt. Ltd. My IP was considered in the "Very Good" category.
- <https://github.com/dilipboidya/buck-converter>

PROJECTS

Qanda- A QnA platform for learners Duration: 2 months (and ongoing)

- Self Project
- Developed a comprehensive QnA platform using the MERN stack (MongoDB, Express.js, React.js, Node.js). The project includes two platforms: one tailored for learners and another for Subject Matter Experts (SMEs), facilitating doubt clearing.

Learner Platform: <https://studyqanda.netlify.app>

SMEs Platform: <https://expertqanda.netlify.app>

Chorome Browser Extension

Duration: 2 Days

This extension shows the verses of Bhagavad Gita along with their word meanings.

QuizApp using JS & frameworks like Bootstrap, fontawesome, etc Duration: 3 days

Solo Project for Chingu, the web App fetches data from the API provided by Chingu.

B.TECH PROJECTS

Design, Simulation & Fab of Microstrip Line Directional Coupler Duration: 1 year

Directional coupler fulfils the demand of measuring and monitoring microwave power and also isolating, eliminating or combining signals in microwave signal routing and radio frequency. Awarded (3rd prize) **Prof. Bipin Dhekial Phukan Memorial Award 2022**, for our final year project.

Deep Learning Based Medical Image Analysis

Duration: 6 months

- There exists many problems in medical image analysis and the interpretation involve the need for computer aided system (Deep Learning, AI, etc.) which study the image structure more precisely.