

M BIKASH RAO

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Education

National Institute of Technology, Rourkela

November 2020 - June 2024

Bachelor of Technology in Biotechnology and Medical Engineering (CGPA of 7.25)

Odisha, India

- Technical Courses: Data Structures and Algorithms, Database Management Systems, Object Oriented Programming, Operating Systems, MySQL, Web Development, MATLAB, Biomedical Instrumentation, Analytical instrumentations and Techniques, Biomedical signal processing, Medical imaging and image processing, Biosensors and Biomems, Medical Embedded systems, Microprocessor and Microcontroller, Artificial Intelligence and Machine Learning.

Experience

Founder and CEO

Sep 2023 – Present

TTLiS Technology

TRL 5

- TTLiS Technology specializes in nanodiamond production and nanodiamond-based products. .
- Emphasizes the potential applications of synthesis nanodiamonds in addressing climate and environmental challenges.
- The company holds 4 patents, demonstrating commitment to innovative solutions in this field.

Front-end Web developer (Intern)

May 2023 – June 2023

LAVNI ASIRANS

Rourkela, Odisha

- Developed the Starkwizz website during a 2-month internship at Lavni Asirans. .
- Created and placed interactive flyers and ads on the site for upcoming promotions and events, boosting site visits by 25 percentage.
- Designed and implemented robust processes for performance improvement, that minimized downtime by 37 percentage.

Projects

CLOUD Based IoT Assisted ECG | *Arduino, Python, Google Colud* | [Github Link](#)

Nov 2023

- IoT-enabled ECG device offers 24/7 monitoring, detecting cardiac irregularities early on.
- Real-time data transmission to a secure cloud allows instant access for healthcare providers.
- Cloud-based analytics interpret ECG data, offering valuable insights into cardiac health.
- User-friendly interface ensures easy integration into healthcare systems, prioritizing secure data storage and privacy compliance.

Portfolio | *HTML, CSS, JavaScript* | [Github Link](#)

Jun 2022

- Designed and Developed a dynamic personal portfolio using HTML, CSS, and JavaScript, combining design flair with interactive features.
- Integrated engaging JavaScript elements, including animations and dynamic content, to elevate user interaction and experience.

EBSB NITR Website | *HTML, CSS, JavaScript, Bootstrap* | [Website Link](#)

October 2022

- Led a team of 3 developers in crafting the EBSB website using HTML, CSS, JavaScript, and Bootstrap, ensuring a user-friendly interface.
- Implemented Bootstrap and JavaScript to create a visually appealing and mobile-responsive EBSB site, enhancing user engagement.
- Directed project milestones, delegated tasks, and ensured timely delivery, resulting in a seamless website experience for EBSB members.

Technical Skills

Languages: C++, Python, Javascript, HTML/CSS, Solidity

Full Stack Development: HTML, CSS, Javascript, ReactJS, NodeJS

Databases: Mysql, Postgres, MongoDB

Technologies/Frameworks/Libraries: Matlab, ReactJS, NodeJS

Developer Tools: VS Code, Git, Atom, Figma

Achievements

- Participated **eYRC 2021-22** project sponsored by MHRD, Government of India, under the National Mission on Education through ICT (NMEICT), leading a team of 4 students to develop and implement an innovative solution. [Certificate](#)
- Solved more than 500 problems on Geeks for Geeks, Leetcode, Hackerrank, Interviewbit and CodingNinjas.