

Kailash Chandra Bhakta

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EDUCATION

- **IIT (BHU) Varanasi** Varanasi, India
IDD(Dual Degree) - Biomedical Engineering; GPA: 7.57 *July 2016 - June 2021*
Relevant activities: Application of web technologies in healthcare, Lightweight tool for medical; data visualization and analysis built with Node.js

SKILLS SUMMARY

- **Languages:** JavaScript, TypeScript, Node.js, Bash, HTML, CSS
- **Technologies:** Node.JS, Next.JS, React.JS, Linux OS, Redux, RTK (Redux Tool Kit), MongoDB, Mongoose, AWS EC2, AWS S3, HTML, CSS, Tailwind CSS, Bootstrap
- **Soft Skills:** Leadership, Teaching, Product Ideation, Sketching, Public Speaking, Time Management

EXPERIENCE

- **Sat Sukrit Media Pvt Ltd - Fullstack Developer + Engineering Lead** New Delhi
Tech Lead & Staff Engineer *April 2023 - Present*
 - **IIRF Ranking:** Link: iirfranking.com, Developed a web application with a robust DBMS using MongoDB to collect, analyze, and publish an institutional ranking system.
 - **Education Post:** Link: educationpost.in, Developed an SEO-optimised News website with Next.js, Node.js & Mongo.
 - **Data Entry Automation:** Developed a robust ETL system utilizing MongoDB transactions to insert large volumes of data directly into the MongoDB database.
 - **AWS Cloud Support:** Migrated the entire infrastructure from GoDaddy to AWS, integrating S3 and CDN for asset management and improved response times.
 - **Staff requirement:** Conducted interviews with over 100 candidates, successfully recruiting and training a technical team.
- **Bookingjini Labs Pvt Ltd - Frontend Engineer (Full Time)** Bhubaneswar, Odisha
Fronted Product ownership *June 2022 - March 2023*
 - **Extranet V4:** Link: extranet.bookingjini.com, We have developed the feature-rich front-end web application for the extranet Hotel Management System @Bookingjini with React framework.
 - **Booking Engine:** As a solo developer developed and maintained the Booking engine of the Hotel Management system Extranet.
 - **Intranet:** As a solo product owner ideat and developed the intranet for overall master control of 13 applications of the hotel management system at Bookingjini.
 - **Hotel Chain:** Implemented a robust Web Application to manage a chain of unlimited hotels simultaneously.
- **Crossoverlab. (Internship)** Nabarangpur, Odisha
Developer + Instructor (Part-time, Contractual) *Dec 2018 - Present*
 - **LMS (Web Application)::** Developed an LMS web application for managing online learning modules for instructors.
 - **Tutorials:** Developed tutorial for instructor to use tools to create curriculum and teach online smoothly.
 - **Impact:** Overall ideates and executed solution to enable Online mode education during the coronavirus pandemic.

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CURRENT RESEARCH PROJECT

- **Vernacular Gen AI for Journalists with RAG Architecture (NLP, Search Engine, Web Crawlers, LLM):**
(Research in progress) Developing an AI-powered text generation tool for journalists using RAG architecture, for automating social engagement. Tech: NodeJS, Bright Data APIs, NoSQL & MongoDB Vector Databases (Nov '23)

HONORS AND AWARDS

- Felicitated by Shri. Naveen Patnaik(Chief Minister) for being the first IITian from my tribal community - June 2016
- Two times regional Mathematics exhibitor distinguish award by Navodaya Samiti - 2012-13
- Media recognition in Uttar Pradesh for developing Iot enabled diagnosis device for remote diagnosis - September 2018
- Technex(IIT Varanasi) runner up for developing Telemedicine application device and software - December 2019

VOLUNTEER EXPERIENCE

- **Developer/member of Club of Programmer, IIT Varanasi** Varanasi, India
Conducted online and offline technical & soft-skills training impacting over 3000 students. *Jan 2018 - 2020*
- **Event Organizer at Crossoverlab, Nabarangpur** Nabarangpur, India
Organized events, conducted workshops and delivered workshops reaching over 700 students. *Jan 2019 - 2021*