



BISWA BIJAYA SAMAL

CONTACT

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Nationality: Indian

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EDUCATION

06/2016 - 05/2020

Bachelor of Technology (B.Tech.):
Computer Science

SRM University Sonepat, Delhi,
India

Grade: 7.9 CGPA

Modules in Computer Science
Engineering attended:

- Programming / Concurrent Programming
- Object Oriented Programming
- Distributed Systems
- High-Performance Computing Systems
- Operating Systems
- Computer Architecture
- Embedded Systems
- Artificial Intelligence
- Digital Systems
- Data Structures and Algorithms
- Information Retrieval
- Machine Learning for Data Science and Analytics
- Web development
- Principles of Software Design

04/2014 - 03/2016

12th Degree: PCM

Mother's Public School, CBSE,

PROFESSIONAL SUMMARY

Passionate Full-Stack Software Engineer with expertise in Programming (JS, Go), Automation (DPA & RPA), Web3 (DeFi & DEX on Ethereum), & Genetics (Terra.bio, Varsome & NORD). Developed sustainable solutions to complex business problems.

Key technical skills include using tools & technologies like React, Node, Make, Power Automate, Zapier, Clickup, Jira, GCP, AWS, Ether JS, Truffle/Solidity, Typescript/JS, Jest, make, AppScripts etc...

WORK HISTORY

March 2023 - Current

Lead Software Engineer, *Enigma Genomics*, Full Time -
Dammam, Saudi Arabia

Building & Heading Tech @ Enigma

- Responsible for all related to IT, Automation & Data Analysis
- Formed tech team, Launched enigma genomics, got 10k+ visits and streamlined business operations through
- DPAs on Make & RPAs on Power Automate.

Recent team achievements include exclusive work on customer-facing systems

- SEO Rich D2C store capable of setting up and running high-quality ad campaigns across Google/Facebook/Twitter/Instal and all social media.
- Collaboration system to promote tests through gift cards, discount coupons, affiliate commissioning, referral system, personalised QR and custom links.
- Simplest and Quick Digital E-Consent system for Patients through quick OTPs and WhatsApp.
- WhatsApp bot to interact with patients curating relatable and accurate replies.
- D2C Genetic counselling, Genic test result drove personalised health tracker and lifestyle app - Under Ideation

December 2021 - March 2023

Technical Lead - IT & E-commerce, *Milky Mist Dairy*, Full
Time - Erode, Tamil Nadu, India

**End-to-end tech aspects & innovations to Brand / Digital /
E-Commerce, IT responsibilities & value additions achieved were:**

- E-commerce Application (web/mobile) Development for Milky Mist Dairy.

Bhubaneswar, India
Grade: A, Secured 92.6%

Subjects Attended:

- Physics
- Chemistry
- Mathematics
- Computer Science
- English

04/2001 - 03/2014

10th Degree: ICSE

Carmel School, Bhadrak, Odisha,
India

Grade: 92.3%

- Captain of **Scout and Guide** team
- **Camera Man Award** Recipient

CERTIFICATIONS

- Agile Methodologies
- API Development
- Front-end Development
- Data Structures
- Object-Oriented Programming (OOP)
- Node.JS
- React.JS
- C, C++, PHP, MySQL
- REST APIs
- AWS

LANGUAGES

English

Advanced

French

Elementary

Hindi

Native

Arabic

Beginner

- Developed Whatsapp Bot on Yellow and social listening & automated personalised replies on zendesk, increased capability to answer queries of 1k+ customers per day in automated manner.
- Crafted inexpensive solution by utilizing AI OCR APIs to automate MT PO/GRN/PA reconciliation.
- Application of AI & Data Analytics to predict, recommend & uplift Primary and secondary sales.
- Applied Barcode & QR-based tech setup for efficient inventory management end to end.
- Developed and implemented RPA & Micro automation on Make(formerly Integromat) & Power Automate to help internal departments, reduce tedious tasks, majorly reporting & updates. Aim being to provide accurate information to key stakeholders consistently and on time to help them focus on business.

eCommerce Responsibilities include:

- Driving eCommerce communications with partners.
- Actively rolling out online shopping channels in India.
- Auditing digital aspects and overlooking digital marketing strategies.
- Driving website's commercial performance.

July 2021 - March 2023

Software Engineer, Enigma Genomics, Part Time - Remote,
India

Worked on Data / Information Management / Notifications

- HPO Phenotype - Gene - Disease - Condition - Relational Database, with ability to display and curate dynamic search pages in both English and Arabic as needed.
- Crawling systems (RPAs & DPAs) to update database and actively scanning to 100+ of publicly available resources. Increased efficiency and reduced cost of maintenance to 80%.
- Smart Automation to manage data in very efficient and cost-effective manner in partnership with Google Cloud.
A smart Notification system that informs each key stakeholder on what's happening inside system, slack notifications/reminders to staff and email / message / WhatsApp to patients/providers/physicians.

Developed Staff / Partner facing systems

- Clinical grade - easy to create - Report Creation system with logs of each change with smart population of data.
- Admin Panel to handle every aspect of day-to-day operations
- Dynamic Product Order System - to collect custom information per test in any form of data - which is configurable in minutes. Data collection becomes easy and accurate.
- Rich in UI/UX and simple ordering system for Staffs / Physicians / Providers / Organisations

August 2020 - July 2021

Full Stack Developer, Milk Mantra, Full Time -
Bhubaneswar, India

Developed Daily Moo Consumer App, Rider App & Admin App from scratch for various platforms End-to-end with small team of 4 now 8

- Engineered backend process for better tracking, routing & ease of doing business
- Followed latest trends in UI/UX and adapted several latest functionalities to create enriched user experience & increase engagement with goal to give global touch to most popular local brand
- Followed Jest TTD, Tracked progress on Jira, and deployed using DevOps CI/CD of Git Actions on AWS
- Wireframe on Invision, prototype on Figma and then used exported assets to convert into React code for Admin Panel and Flutter code for Mobile Apps
- Used Bootstrap to design Admin Panel and Integrate UI with REST APIs built on Node.JS / Python + Flask-based Containerised Microservices
- To generate charts chart.js and d3.js were used
- Applied blockchain technology to trace product journey and develop framework to facilitate new-age payments using crypto.

October 2018 - August 2020

Co-Founder, *WB Web Development Solutions*, Full Time - Bhubaneswar, India

Startup for 2 years | Team of 17 | 20 projects accomplished | 15 websites, 2 applications, and 3 mobile apps | Exited profitably

- GCP, AWS and IBM cloud were used for these projects internationally for clients in Taiwan, Seattle, India etc
- Provided cheapest hosting by partnering with several cloud providers and directly passed on commissions to benefit customers over project discounts
- Obtained massive learning from Product Planning to Product Design, Product Development and
- Deployed Marketing campaigns and created complete roadmap to kickstart startup in just 1 month with right resources
- Used Node.JS, PHP, Python + Flask, Django, React, JQuery, and HTML CSS JS.

March 2018 - October 2018

Web Developer, *Urban Company*, Freelance - Delhi, India
Freelancing with Urban Clap rebranded now as (Urban Company)

Worked with 3 clients on 3 different tech stacks, completed within 2-3 months each.

- 1st - Develop e-commerce website facilitating purchases with mailing on PHP + React stack.
- 2nd - Develop business portfolio website
- 3rd - Create blog based app to precast videos before streaming publicly on Youtube, using Youtube as SAAS.

July 2017 - February 2018

Web Developer, *Atulyakala*, Freelance - Delhi, India

Custom website on Shopify by harnessing HTML, CSS and JavaScript skills.

- Designed web pages to enhance branding and navigation.
- Managed databases with strong SQL skills.

- Admin Panel to handle orders + Automation to invoke requests to shipping partners
- In addition to web, promotional offers were created and integrated them with affiliate marketing APIs.
- Enhanced SEO, obtained 100k+ visits within 3 months

SKILLS

- Software development
- Project planning
- Workflows and queries
- Build releases
- Testing and maintenance
- Software implementation
- Development life cycles
- Team oversight
- Software documentation
- Project budgeting
- Resource allocation
- Algorithm implementation

AFFILIATIONS

CERTIFICATE OF COMPETENCY in FUNDAMENTALS OF DEEP LEARNING FOR COMPUTER VISION - NVIDIA 2304b480f09a41a2a228