

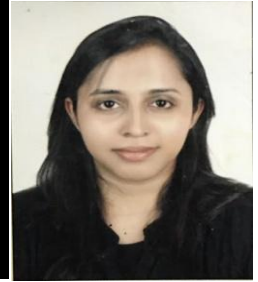
# NIMMY HUBALD BASTIAN

FULLSTACK DEVELOPER/ML ENGINEER

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Full Stack Developer with 8 years of experience, specializing in AI, full-stack development, and cloud infrastructure, now expanding expertise in Artificial Intelligence and Data Analytics as a student at Saskatchewan Polytechnic. With a PGDiploma in Business Information Systems from a prestigious UK university, I bring deep technical expertise across React, Node.js, MySQL, AWS, and scalable architecture design.

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## AREAS OF EXPERTISE

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- Laravel, React JS, Python, Open CV, Excel, PHP, Unity (AR), Three.js, Angular JS, IOT, Expression Engine (PHP Framework, CMS), Flutter, CodeIgniter(PHP Framework, MVC), PhoneGap, HTML5, .Net, Ajax, MySQL, CSS, Bootstrap, jQuery, JSON, REST API, LAMP, GIT, SVN, Arduino, C#, WordPress, Machine Learning, CNN, NLP, Transformers.
- React Js, python (Django), Touch Designer (Worked with only 1 or 2 projects), JavaScript
- Functional Testing, User Acceptance Testing
- Test Data, Test Cases, Software Documentation
- Agile Methodology- XP, Test Driven Development, Data Driven Development.

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## EDUCATIONAL BACKGROUND

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- Aug 2023 –April 2024- **PgDiploma in Artificial Intelligence and Data Analysis** from Saskatchewan Polytechnic, Saskatoon.
- March 2014 - **PgDiploma in Business Information Systems** from University of East London, United Kingdom
- May 2009 - **Btech** in Computer Science and Engineering from Cochin University of Science & Technology.

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## PROFESSIONAL EXPERTISE

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**Jun 2024 – Ongoing**  
Full Stack Developer/ICT Research Assistant

**DICE (Saskatchewan Polytechnic), CA**

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- Developed an e-commerce website in React and Neo4j.
- Developed an advanced e-commerce product comparison tool utilizing NLP and BERT.
- Implemented an adaptive scraper to collect and preprocess data from various e-commerce websites and APIs.
- Created a user-friendly interface for seamless product comparison.

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- Collaborated with cross-functional teams applying UX design and design thinking to create user-centric solutions.
  - Managed source control using Git, facilitating code reviews and efficient merging of changes in collaborative environments.
  - Tools Used: Html, Bootstrap, JavaScript, React, MySQL, Neo4j, Created Wireframes, Node JS.

**Dec 2023 – May 2024**

**Full Stack/Web Developer**

**2Webs.ca, Canada**

- Designed and maintained scalable web solutions, utilizing modern application frameworks and frontend JavaScript technologies.
- Conduct code reviews using GitHub, identify areas for optimization and enhancement, and contribute to the overall improvement of development workflows and best practices.
- Provide technical guidance and mentorship to junior team members, fostering a culture of learning and innovation.
- Tools Used: Html, Bootstrap, JavaScript, React, MySQL, Created Wireframes, WordPress, CodeIgniter.

**Apr 2022 – May 2023**

**Lead/Senior Full Stack Developer**

**RJ Designs, UAE**

- **Converted design into functional user interfaces** utilizing a variety of technologies, including PHP, Three.js, AJAX, CSS, HTML5, jQuery, JavaScript, AngularJS, MySQL, Node js, and IoT.
- **Designed, developed, and maintained company websites** using Core PHP, ensuring a seamless user experience and robust functionality.
- **Developed a virtual event/webinar platform** similar to Zoom for Samsung, leveraging cutting-edge technologies to enhance user engagement and communication.
- **Implemented in-house video communication solutions** built on Samsung's AWS server, facilitating efficient internal collaboration.
- **Maintained and updated Samsung.com**, ensuring content accuracy and timely updates, while managing both online and offline campaigns for the MENA region.
- **Developed a lucky draw system** for promotional campaigns, enhancing customer engagement and participation.
- **Created and managed a VOIP system** for internal communication and a Retailer Operating System (ROS) for better resource management.
- **Decided on the technology stack and designed wireframes** that were translated into applications, ensuring alignment with business requirements and user needs.
- **Received the SHOW Asia Award** for the 3D Manga Series campaign, recognizing innovation and excellence in marketing strategies.
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**Jan 2018 – Oct 2020**

**Web / Interactive Developer**

**RJ Designs, UAE**

- Converted design concepts into functional user interfaces using a diverse tech stack, including PHP, Three.js, AJAX, CSS, HTML5, jQuery, AngularJS, MySQL, Node.js, and IoT technologies.
- Designed, developed, and maintained company websites with Core PHP, ensuring optimal performance and user engagement.
- Implemented interactive applications leveraging JavaScript and IoT technologies to enhance user interaction and functionality.
- Developed wireframes and prototypes to align with UX design processes, facilitating stakeholder feedback and ensuring project alignment with user needs.

- Engaged in Agile methodologies to drive project success, foster collaboration within the team, and adapt to changing project requirements.
- Tools Used: HTML, Bootstrap, WordPress, JavaScript, PHP, React, MySQL, wireframe creation, Git, website maintenance and upgrades, software architecture, unit testing, user input testing, Arduino, IoT, TouchDesigner, Unity, Spring Boot, AWS, and Angular.
- Contributed to the Solar Innovation Centre (SIC), a new interactive exhibition facility designed to attract researchers, tourists, students, and business professionals from across the UAE. The SIC features 33 exhibits, some of which include interactive installations and IoT components.
- Developed 3D web applications and interactive installations using TouchDesigner and IoT devices, alongside augmented reality (AR) installations and Kinect-based interactions, enriching the visitor experience.

Website: <https://www.mbrsic.ae/>

**July 2017 – Dec 2017**

**Software Developer (5 months Contract)**

**MyNeedFinder, UAE**

- Responsible for designing and implementing databases (over 100000 raw data).
- Responsible for designing and developing Customer portal where the clients can manage their business and other app features (core php).
- Responsible for developing mobile app (appery) for android and iOS .
- The site was built in core php following oops techniques.
- Responsible for converting design to Functional UI (PHP, JS, Ajax,Css,Html5,Jquery,Angular Js, MySQL)

**April 2014 – Sept 2016**

**Software Developer**

**BUT, United Arab Emirates**

- Responsible for meeting clients to gather user requirements and propose technical solutions.
- Responsible for assisting with planning and scope of the project
- Responsible for designing and implementing databases.
- Responsible for building websites using Expression engine (PHP Framework), Springboot, Angular.
- Responsible for developing mobile app (PhoneGap) for android and iOS .
- Responsible for unit testing and user acceptance testing.
- Responsible for developing the software manual for the client.
- Responsible for maintenance and troubleshooting of existing projects.
- **Award winner** for the most popular app.

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## ACADEMIC PROJECTS

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- **Plants disease and pest detection systems** - Creating a Plants Disease and Pest Detection System powered by Convolutional Neural Networks (CNNs) for Computer Vision (CV), enabling precise and automated identification of plant health issues from images.
- IMDB web scrapping using beautiful soup in python.

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- Social media sentimental analysis using praw in python.
  - Stock market analysis during Covid in python.
  - Netflix analysis in python.
  - Retail store data analysis using Power Query and Power BI
  - Developing a mobile autopayment system utilizing smart contracts written in Solidity for blockchain transactions, with a React frontend for seamless user interaction and management of payments.

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## SKILLS

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- Full Stack Development
- Machine Learning
- Artificial Intelligence
- JavaScript
- MySQL
- Responsive Design
- GIT
- RESTful API's
- Node JS
- Communication Skills
- Team Collaboration
- Website Upgrade
- Wireframes
- React JS
- User friendly Designs