JONATHAN RUSSELL BUNQUIN

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SAN PEDRO, LAGUNA

EDUCATION

- August 2021 - Present **Bachelor of Science in Computer Science**
  Mapua Malayan Colleges Laguna
  Cabuyao, Laguna

RELEVANT COURSES IN EDUCATION

- Data analytics
- Data structures and algorithms
- Software Engineering
- Automata Language Theory
- Web Development
- Machine Learning

AWARDS

- A.Y. 2021-2022 1st Term Dean's Lister
- A.Y. 2021-2022 1st Term Dean's Lister
- A.Y. 2022-2023 1st Term Dean's Lister
- A.Y. 2022-2023 2nd Term Dean's Lister
- A.Y. 2022-2023 3rd Term Dean's Lister
- A.Y. 2023-2024 1st Term Dean's Lister
- A.Y. 2023-2024 2nd Term Dean's Lister
- A.Y. 2023-2024 3rd Term Dean's Lister

SKILLS

- Python, C#, JavaScript, HTML, CSS, Bootstrap
- Microsoft Excel
- SQL, MySQL, SQLite
- Plotly, Matplotlib, Seaborn
- Tableau, Power BI
- Weka
- Unity, Django, Flask

PROJECTS

- **Lattice Radiant Online Help Dashboard Tracker**
  - July 2025
  - Designed and implemented a task-tracking dashboard for the Software Technical Publication team under the Research and Development department during my internship at Lattice Semiconductor Philippines.
  - The dashboard enables users to assign, update, and remove tasks, with customizable fields including document name, section, subsection, comments, and assigned writer.
  - Built the dashboard using Python and the Django framework, with MySQL as the backend database. Integrated Chart.js to visualize task progress and workload distribution across team members, enhancing project transparency and monitoring.
- **PREDICTING CA19-9 LEVELS USING MACHINE LEARNING**
  - December 2024 – Present
  - A web application for visualizing and predicting CA19-9 levels.

- CA19-9 is a biomarker commonly used in cancer diagnosis, particularly for pancreatic cancer. The application utilizes ensemble learning for predictions
- The front end is built using HTML, CSS, Bootstrap, and JavaScript, while the backend is developed with Django and Django REST Framework. Plotly is used for data visualization

- **TB Burden Country Dataset Dashboard**
  - February 2025
  - Developed an analytics dashboard to analyze TB-related deaths, TB-HIV co-infections, and incidence rates, identifying regions with the highest burden helping users recognize areas requiring urgent intervention and understand contributing factors.
  - Created a global heat map visualizing country population to examine potential correlations between population size, TB incidence, deaths, and prevalence.
- **Balaji Fast Food Dataset Analytical Dashboard**
  - February 2025
  - Developed an analytics dashboard to determine the optimal time for sales helping the fast-food business anticipate peak customer traffic.
  - Conducted time series analysis of sales trends, providing insights into the highest sales periods and their underlying factors.
  - Identified the best-selling and least popular menu items, enabling data-driven decisions on promotions and inventory management.
- **Mapua MCL's Blue and Silver Bookshop Dashboard**
  - May 2024 – July 2024
  - Developed an interactive analytics dashboard to display key performance indicator (KPI) reports for the bookstore.
  - Assisted bookstore staff in tracking sales trends and inventory performance.
  - Designed data visualizations that enhanced user reporting and analytical insights.
- **MMCL Online Bookshop System**
  - December 2023 – June 2024
  - The project is a web application designed for MMCL, allowing students to reserve items online at the Blue and Silver Bookshop.
  - The application uses HTML, CSS, JavaScript and Bootstrap for the frontend, MS SQL for the database, and ASP.NET MVC for the backend. Chart.js is used for data visualization. Project management is handled through GitHub, and the application is hosted on Azure.