




# JANMEJAY BURANPURI

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## Education

**University of Western University**

*Bachelor of Engineering Science, Software Engineering*

**September 2018 - December 2022**

*London, Ontario*

## Technical Skills

**Languages:** JavaScript, HTML, CSS, Python, TypeScript

**Frameworks Libraries:** Node, Express, React, TailwindCSS, Bootstrap, Socket.IO, Mongoose Schema, Pandas

**Technologies:** GitHub, JIRA, AWS (API Gateway, Lambda, Amplify, EC2 Instances), UML Diagrams, MongoDB, Stripe

**Other Competencies:** SCRUM Project Management, Blackbox and Whitebox Testing, Developing REST API

## Technical Projects

**Intelligent Lifting** | *Next, React, Stripe, TailwindCSS, AWS*

**December 2022 - Projected February 2023**

- Developed a JamStack website to sell workout plans using Next, React, and Tailwind in the frontend, integrating Stripe to process payments, and hosting using AWS Amplify leveraging their CI/CD pipeline
- Utilized NextJS to enable server-side rendering for React components generating static HTML improving SEO and website performance by up to 70%
- Leveraged AWS Gateway API to simplify maintenance and accelerate development for future features
- Created Lambda functions to run custom logic and take advantage of AWS security and automated scaling features
- Optimized costs to maintain 95%+ profit margins on each workout plan sold

**FitSync** | *React, MongoDB, Express, Node, JIRA, Socket.IO*

**September 2021 - March 2022**

- Created an online coaching website using MongoDB, Express, React, and Node, which can save clients up to 95% on personal training
- Led a team of three software engineers as SCRUM master in the development of the website, utilizing JIRA to track and organize two week sprints finishing the project 3 weeks before the deadline
- Leveraged MongoDB to store and manage an extensive database of exercises and workouts, providing users with a wide range of options to choose from and execute safely
- Utilized Socket.IO to enable real-time chat functionality and ability to send attachments to get feedback from online trainers
- Effectively tested and debugged the website across various devices and browsers, ensuring a seamless user experience

**Music Playlist Library** | *React, MongoDB, Express, Node, AWS EC2*

**October 2022 - December 2022**

- Collaborated with a developer to effectively plan, design, and implement the a full stack website
- Utilized express-validator to add input sanitization for the backend to prevent cyberattacks like code and SQL injection
- Designed and implemented a visually distinct UI for admins, streamlining access to powerful tools such as deactivating user accounts, hiding reviews on playlists, and handling website policies
- Hosted the website on an AWS EC2 instance, ensuring high availability and scalability

**ML Model to Identify Phishing Sites** | *Python, Pandas*

**March 2022**

- Developed a machine learning model utilizing logistic regression and multinomial naive bayes classifiers to accurately identify phishing sites in a data set containing over 500,000 sites achieving a 96.6% accuracy
- Implemented thorough preprocessing of the data to optimize model performance and reduce potential biases
- Utilized confusion matrices to thoroughly evaluate the performance of a machine learning model, allowing for the calculation of important evaluation metrics such as precision, and accuracy

## Work Experience

**Kinectrics Inc**

**May 2021 – August 2021**

*IT and Cybersecurity Co-op*

*Toronto, ON*

- Enhanced company-wide security by ensuring all safety standards and protocols are met on employee computers
- Managed laptop and hardware inventory and developed depletion schedules to maintain high staff productivity during an ongoing chip shortage
- Utilized expertise in DKIM, SPF, and DMARC to accurately assess and mitigate phishing threats, protecting employee accounts and critical company information achieving 100% accuracy