

BRIJENDRA NAG

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Skills

Programming Languages:

Java, C, HTML, Racket,
JavaScript, Node.js, SQL

Tools:

Git, Unix, JSON Handling,
Android Studio, Facebook
Graph API, Microsoft Cognitive
Services APIs, Unity

Other:

Functional Programming,
Object Oriented Programming,
Data Structures, Algorithms,
Social Media Marketing, REST
APIs

Awards

President's Scholarship of Distinction, University of Waterloo

Awarded to students with
admission averages of 95% or
higher.

Education

University of Waterloo,

Candidate for Bachelor of
Computer Science (2016-2021)

Relevant Coursework:

Algorithm Design and Data
Abstraction, Designing
Functional Programs

Experience

SpaceX Hyperloop Competition (Oct-Dec, 2016)

Sponsorship relations
management role in
Waterloop, the only Canadian
team in the final round of the
international SpaceX
Hyperloop Pod Competition.

Projects

Caffeine

March, 2017

- **Won the 2nd Prize at Start Hacks** for this product which prevents drivers from dozing off, hence reducing accidents.
- Used the **Muse headband** to get real-time brainwave and accelerometer data and used it in an **android application** (published on Google Play Store) to track head-position in 3D and monitor brain activity.

Euphorify

Jan, 2017

- A web application for social media built at **PennApps XV** which analyses your Facebook posts and photos and generates a Collage
- Used the **Facebook Graph API, Microsoft Emotion API** and set up a **node server with AWS** to gather and process data securely.
- Worked on integrating the two APIs together using **JS and HTML** and then sorting the obtained images to generate the collage containing images of a particular kind.

ReactOnFly

Nov, 2016

- A Chrome extension built at **HackPrinceton** which automatically 'reacts' to posts on your Facebook newsfeed for you.
- If the user is recorded to be smiling for a certain duration, the Chrome Extension automatically posts a like.
- Worked on designing the concept of the extension, integrating the **Facebook Graph API** with it and continuously deleting redundant data using **Java**.

Archify

Nov, 2016

- A 'Ready for Emergency' application built at **ArchHacks**.
- In case of a medical emergency, a tap on the notification bar of the phone automatically requests help from the nearest and best-rated hospital and from a family doctor using previously provided data.
- Worked on the **back-end with Java** and implemented **database querying** and its integration with the app. Also **designed an algorithm** which determines the best hospital around a city at a particular instance.

Volunteering

Hack the North

Waterloo, Canada

- Assisted in the delivery of food at the Hackathon.
- Received participants from other universities and ensured a smooth event by floor patrolling.

Everyone Grows

Lucknow, India

- Provided elementary education to underprivileged children, got them enrolled into schools and raised funds for their fees.