

# ShivanshDhar

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## SKILLS

### LANGUAGES

Proficient With:

JavaScript • HTML/CSS • C

Familiar With:

Java • Python • C++ • Bash • PHP  
• SQL •  $\text{\LaTeX}$

### FRAMEWORKS

Meteor • Express.js • Node.js •  
ReactJS • MongoDB • jQuery •  
Bootstrap • AngularJS •  
Socket.IO • OpenCV

### TOOLS

AWS • Git • Vim • Xcode • Eclipse •  
Photoshop • Illustrator

## EDUCATION

### UNIVERSITY OF WATERLOO

BACHELOR OF SOFTWARE  
ENGINEERING  
Expected 2021

## LINKS

GitHub: // shividhar

LinkedIn: // Shivansh Dhar

## AWARDS

- ECOO Board-wide Programming Competition Winner
- UofTHacks Pebble Category Winner
- Col. Hugh Heasley Engineering Scholarship - \$10 000
- President's Entrance Scholarship
- Shad Valley Engineering Scholarship - \$4 000

## ACTIVITIES

- Active Hackathon Participant
- PennApps (Hackathon) – Campus Ambassador
- PAN-AM Games – Event Manager Member

## EXPERIENCE

### NOTEBULB | Co-FOUNDER

September 2014 - August 2016 | Mississauga, ON

2000+ hours | Meteor (MongoDB, Node.js, Blaze.js), LibreOffice API, AWS, SSL

- Built a socio-eduction platform for student productivity (more at [notebulb.com](http://notebulb.com))
- Features: User authentication, file manager, file conversion, posting, commenting, chat and search
- Technical: Back end development, database management and server control
- Business: Conducted market analysis with primary market research to determine user demands and interest
- Generated angel investor interest

### FIRST TEAM 4777 | TEAM CAPTAIN

September 2014 – March 2015 | Mississauga, ON

- Designed robot control systems in **Java** including autonomous navigation with PIDs, optical encoders and vision processing (**OpenCV**)
- Increased team membership by 50% and generated sponsorship capital
- Facilitated communications between various groups: mechanical, electrical, programming, PR and mentors

### SHARIKA FOUNDATION | WEB DEVELOPER

July 2012 | Mississauga, ON

- Developed web platform for the registered charity as a volunteer
- Front-end: Utilized basic **HTML**, **CSS** and **JavaScript**
- Back-end: Used **PHP** for server scripting and **MySQL** as the database client
- Integrated Search Engine Optimization techniques to optimize results and format search

## PROJECTS

### PIEDPIPR | FULL STACK DEVELOPER

Jan 2014 – Present | London, ON

- Created a **Node.js** based public playlist sharing and generating platform
- Connected application with **YouTube API**
- Created randomly generating code for secure sharing
- Used **AWS** for hosting, **Meteor** for development, **MongoDB** for the database, and YouTube for music content

### ALGORITHMSDOTJS | CONTRIBUTOR

October 2016 – Present | Global

- Contributed to an Open Source npm package of common data structures and algorithms hosted on GitHub
- Goal to be most comprehensive collection of common data structures and algorithms (with explanations!) implemented in **Node.js**

### REMOTIFY | DEVELOPER

October 2016 – December 2016 | Waterloo, ON

- Remote control for Spotify/iTunes built with **C++**
- Utilizes serial communication port to relay data between computer and micro-controller using **Bash**
- Daemonized process to run seamlessly in the background