

# Shivansh Dhar

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## SKILLS

### LANGUAGES

Proficient With:

C • JavaScript • HTML/CSS

Familiar With:

C++ • Python • Java • Bash

PHP • SQL •  $\text{\LaTeX}$

### FRAMEWORKS

Node.js • Express.js • Meteor

ReactJS • MongoDB • jQuery

Bootstrap • AngularJS

Socket.IO • OpenCV

### TOOLS

AWS • Git • Vim • Xcode • Eclipse

Photoshop • Illustrator

## LINKS

GitHub: [github.com/shividhar](https://github.com/shividhar)

LinkedIn: [linkedin.com/in/shividhar](https://linkedin.com/in/shividhar)

## AWARDS

- ECOO Board Programming Competition Winner
- UofTHacks Pebble Category Winner
- Col. Hugh Heasley Eng. Scholarship - \$10 000
- Shad Valley Engineering Scholarship - \$4 000
- President's Scholarship of Distinction - \$2 000

## ACTIVITIES

- Active Hackathon Participant
- PennApps (Hackathon) — Campus Ambassador
- PAN-AM Event Manager Member
- Data Science Club Member

## EDUCATION

### UNIVERSITY OF WATERLOO

Bachelor of Software Engineering

Expected 2021

## EXPERIENCE

### NOTEBULB | Co-Founder

September 2014 – August 2016

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

- Built an education platform for student productivity (more at [notebulb.com](https://notebulb.com))
- Features: User authentication, file manager, file conversion, posting, commenting, chat and search
- Business: Conducted market analysis with primary market research to determine user demands and interest
- Generated angel investor interest

### SPIRIT FIRST ROBOTICS | Team Captain

September 2014 – March 2015

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

### SHARIKA FOUNDATION | Web Developer

July 2012

- Developed web platform for the registered charity
- Utilized **HTML**, **CSS** and **JavaScript**
- Used **PHP** for server scripting and **MySQL** as the database client
- Integrated **SEO** techniques to optimize and format search results

## PROJECTS

### PIEDPIPR | Full Stack Developer

Nov 2015 – Present

- Used **Node.js** to create a public playlist sharing and generating app
- Connected application with **YouTube API**
- Created randomly generating code for secure sharing
- Used **AWS** for hosting, **Meteor** for development, **MongoDB** for database

### ALGORITHMSDOTJS | Contributor

October 2016 – Present

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

### REMOTIFY | Developer

October 2016 – December 2016

- 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