

## SUMMARY

A life-long engineer & full-stack web developer with strong analytical & problem-solving skills. I have a background in automation & electrical engineering. Web development started as a way to sell my art a few years ago and I have continued to learn more and practice these skills ever since.

Will thrive in a team environment where learning and collaboration is valued. Keen to master the latest web development tools & technologies and help others in my team grow with me.

 [snehakmahajan.com](http://snehakmahajan.com)

 [github.com/sneham-boop](https://github.com/sneham-boop)

## SKILLS

### Languages

- JavaScript
- SQL / NoSQL
- CSS / SASS
- HTML / HTML5
- Ruby

### Frameworks/Libraries

- Git / GitHub
- jQuery / Bootstrap
- NodeJS / Express
- Ruby on Rails
- ReactJS
- AJAX / Axios
- PostgreSQL / MongoDB
- WebAPIs / Postman

### Other skills

- Customer Service
- Team Leadership
- Technical Documentation
- Project Management
- Microsoft Office

# Sneha Mahajan

## FULL-STACK WEB DEVELOPER

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## PROJECTS

### weHike

LIVE ●

Users can find hiking events near them, create new hiking events for others to join, track their progress & see past events.

**Key:** Team work, merge conflicts via Git, project & task management

**Tech Stack:** ReactJS, Google Maps API, Axios, Node, Express, PostgreSQL

### Interview Scheduler

[GitHub](#)

Single page ReactJS app that allows users to schedule interviews for the week.

**Key:** Component based UI design, test driven development, error handling

**Tech Stack:** ReactJS, Axios, SASS, Node, PostgreSQL, Cypress, Storybook

### Colourly

[GitHub](#)

Inspired by the Coolers colour palette tool. Users can see popular colour palettes and save favourites. Users can create their own colour palettes.

**Key:** SQL database, Web page templates, Trello / task tracking

**Tech Stack:** JavaScript, HTML, CSS, jQuery, AJAX, Node, PostgreSQL

## EXPERIENCE

### Nord Drivesystems

*One of the world's leading manufacturers of drive technology for mechanical and electronic solutions.*

#### Sr. Application Specialist, Toronto, ON

2019 | Present

#### Application Engineer, Madison, WI

2016 - 2019

*Recruited to grow sales of Nord's control products in North America by utilizing experience in PLC programming and networking of electronic devices. Relocated to Canada in 2019 to support Nord's Canadian subsidiary & customers involving similar duties.*

- Wrote PLC (Logic Controller) & HMI (human machine interface) programs for controlling variable frequency drives (VFD) via EtherNet/IP, Profinet, EtherCAT, DeviceNet, etc.
- Responsible for designing VFD solutions and delivering start-up / commissioning assistance for large industrial automation projects such as baggage handling systems at Cleveland, Detroit airports, etc.
- Developed new training processes & material & trained customers and internal teams on product usage and maintenance

## **EDUCATION**

### **Diploma in Full Stack Web Development**

Lighthouse Labs  
Toronto, ON, CA

### **MS in Electrical Engineering**

Missouri University of  
Science & Technology  
Rolla, MO, USA  
*Focus on signal processing,  
Graduate Research Assistant for  
the Computerized Medical  
Imaging Lab*

### **BS in Electronics & Telecommunications Engineering**

University of Pune, MH, India

## **CERTIFICATIONS**

### **Front End Development Libraries**

freeCodeCamp  
*React, Bootstrap, Redux, jQuery,  
SASS*

### **JavaScript Algorithms and Data Structures**

freeCodeCamp  
*JavaScript, Regular Expressions,  
Data Structures, Algorithms,  
Object Oriented Programming*

### **Responsive Web Design**

freeCodeCamp  
*HTML, CSS, Forms, Accessibility,  
Responsive Web Design*

### **Foundations of UX Design**

Coursera / Google  
*Basics of user experience design*

### **HTML, CSS & JavaScript for Web Developers**

Coursera / John Hopkins  
University  
*Git, Basics of HTML, CSS & JavaScript*

## **EXPERIENCE**

### **Regal Rexnord**

*Regal is a leading manufacturer of electric motors, electrical motion controls, power generation and mechanical power transmission products serving markets throughout the world.*

#### **Automation Engineer – Beloit, WI**

2013 – 2016

*Recruited to implement automation projects for manufacturing machines and assembly lines in Regal's facilities all across the United States.*

- Defined design and process requirements for automation projects in collaboration with plant personnel and automation system integrators
- Generated 90k in savings by automating manual task of motor shaft machining through robotics
- Motor assembly process automation by combining pre-assembly to achieve single-piece flow and a saving of approximately 300k

### **Honeywell | Intelligrated**

*Honeywell Intelligrated designs, manufactures, integrates and installs complete material handling automation solutions.*

#### **Commissioning Engineer – St. Louis, MO**

Jan 2013 – Oct 2013

*Recruited to implement mechanical & electrical installation for material handling systems for customers all across the United States.*

- Commissioned conveyor and other material handling systems at sites in USA and Canada. This involved inspection of completed installations to ensure conformance to design and equipment specifications and compliance with operational and safety standards
- Wrote system operation manuals for conveyor and palletizing systems
- Trained customers on-site with operating instructions and maintenance needs of the system

## **ACADEMIC RESEARCH**

### **Computerized Medical Imaging Lab**

*Worked as a research assistant while completing my Master's thesis with Dr. Moss at Missouri University of Science and Technology*

#### **Research Assistant – Rolla, MO**

Jan 2010 – Dec 2012

- Developed a Matlab based algorithm to detect structures called cloudy & starry milia-like cysts occurring in skin lesion images
- Developed templates for enabling character recognition for a pill identification database
- Key: Matlab, Computer Vision, Digital Image Processing

## **OTHER INTERESTS**

Making art • Photography • Hiking with my dog • Blogging  
Volunteer to make art accessible within local community