

# PradyumnaShome

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## About

- Lives in Urbana, IL
- Programming since the age of 10

## Skills

Java, C/C++, Python, JavaScript, Android Development, HTML, CSS, MySQL, Firebase, Node.js, Express.js, Bootstrap, Materialize, jQuery, Unity3D, Git, Linux, Unit Testing, Scikit-Learn

## Coursework

- Discrete Structures
- Software Design Studio
- Ethical and Professional Issues
- Data Structures
- Computer Architecture
- Probability and Statistics for Computer Science
- Online**
- Udacity 120: Intro to Machine Learning

## Interests

Software Development, Deep Learning, Information Security, Artificial Intelligence, Algorithmic Music Production, Human Computer Interaction, Piano, and Table-Tennis

## Certifications

- *Programming in Java*, Oracle Workforce Development Program, Jan 2014
- *Programming in C*, NIIT, May 2011
- *Grade 5 in Piano*, Trinity College London, Nov 2016

## Achievements

- James Scholar, College of Engineering
- AP Scholar with Distinction

## Education

May 2021

**Bachelor of Science in Computer Science**  
University of Illinois at Urbana-Champaign

College of Engineering

May 2017

**All India Senior School Certificate**  
National Public School, HSR Layout

CBSE, Science with Computer Science

## Experience

April 2016

**Ashwini Charitable Trust**

Volunteer, Web Development

*Developed the official volunteer and donor facing trust website.*

## Projects

Dec 2017

**Pixeloca**

GitHub.com/PradyGameDev/Pixeloca

A public photo-sharing Android app featuring location-tagging, for neighbourhoods.

June 2017

**HeartnetIndia.com**

HeartnetIndia.com

An online appointment scheduling web app, as well as cardiac risk factor and physician onboarding survey forms for a pilot tele-ECG screening program, at HeartnetIndia.

July 2016

**Municipal Water Supply Tracker**

An application to monitor and control municipal water supply. This system optimizes water use and helps detect crimes related to exploitation of water resources. It helps build accountability amongst water distribution companies contracted by the municipal corporation.

Nov 2015

**NPSCconnect**

Amazon Underground | a.co/aS9lZYg

A learning management system implemented as a web application and companion Android app. NPSCconnect features audio summaries of high school textbooks and online homework and assignment management. It facilitates student-teacher interaction in the form of virtual "office hours" through the use of an IRC plugin.

July 2015

**SimpleCabs**

A taxicab aggregator in Node.js using the Cheerio web scraping module. It compares cab fares, online reviews (found by scraping websites), as well as the area serviced by each operator, and finally suggests a service for the user.

June 2014

**The Farmer's Market**

A web application that provides real time government crop procurement prices and weather information to rural Indian farmers, via SMS, through web scraping. As a result, this eliminates middlemen from the procurement process and enables farmers to be fairly compensated.