

# PradyumnaShome

Studies Computer Science at the University of Illinois at Urbana-Champaign

## About

Lives in Urbana, IL  
Programming from the  
age of 10

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## Programming

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  
Data Structures  
Computer Architecture

## Interests

Software  
Development, Deep  
Learning, Information  
Security, Artificial  
Intelligence, and  
Human Computer  
Interaction

## 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

## Education

May 2021	<b>Bachelor of Science in Computer Science</b> University of Illinois at Urbana-Champaign	College of Engineering
May 2017	<b>All India Senior School Certificate</b> National Public School, HSR Layout	CBSE, Science with Computer Science

## Experience

April 2016	<b>Ashwini Charitable Trust</b> <i>Developed the official volunteer and donor facing trust website.</i>	Volunteer, Web Development
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## Projects

Dec 2017	<b>Pixeloca</b> Photo-sharing Android app featuring location-tagging, for neighbourhoods.	
June 2017	<b>HeartnetIndia.com</b> 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.	HeartnetIndia.com
Jul 2016	<b>Municipal Water Supply Tracker</b> 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. If implemented, it could seriously prevent the exacerbation of the water scarcity in Bangalore.	
Nov 2015	<b>NPSCConnect</b> 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.	Amazon Underground
Jul 2015	<b>SimpleCabs</b> 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.	
Jun 2014	<b>The Farmer's Market</b> 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 get fair compensation for their produce. Note: The app was not brought into the market.	