

# Sandesh Pathak

[sandeshcodes.xyz](https://sandeshcodes.xyz)

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## EDUCATION

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- **Fullstack Academy of Code**, Software Engineering Immersive
- **Drexel University**, BA in Mathematics – Cumulative GPA: 3.25
- **Caldwell University**, Pursued BA in Mathematics (transferred)

*Aug - Dec 2016*  
*Sep 2013 - Mar 2016*  
*Sep 2011 - Aug 2013*

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## TECHNICAL COMPETENCIES

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- **Proficient:** JavaScript/ES6, React, Node, Express, PostgreSQL, Git, CSS, Agile Development
- **Knowledgeable:** Sockets.io, Python, Jasmine, Mocha/Chai, Heroku, Canonjs, Threejs, jQuery, Redux

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## MAJOR TECHNICAL PROJECTS

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**Agamari** | [Github](#) | [Heroku](#) | [Youtube](#)

*Nov-Dec 2016*

- A web-based 3D game that allows multi-player and multi-rooms built in three weeks
- Contributed in planning/deployment; writing test specs for backend; and writing code for threejs/react/express/sequelize
- Built with React/Redux, Sequelize, Sockets.io, Node, Express, Threejs and Canonjs

**Tech Talk on IOT** | [Youtube](#)

*Nov 2016*

- Gave a 10 minutes scripted Tech Talk on the state of Internet of Things
- Included subjects like rise of IOT devices, security vulnerabilities and ways of securing IOT Devices

**JavaScript Chess** | [Github](#)

*Oct 2016*

- Completed a simple chess game to strengthen my Javascript foundation
- Presented the project to a Hackathon Panel and an audience of around 50 people

**Reddit Karma Generator** | [Github](#)

*Sep 2016*

- A simple bar graph generator based on reddit username
- Completed using python packages praw and matplotlib

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## PROFESSIONAL EXPERIENCE

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**Web Developer** | **Historical Society of Pennsylvania**

*Mar — Sep 2015 | Philadelphia, PA*

- Led project management in the full-cycle development of HSP website. This included analyzing databases for research, communicating with HSP for product requirement writing, concept development, and creation of mobile website for HSP site
- Collaborated with lead web developer to develop new customer features and workflows using JavaScript and PHP
- Relied on Google Analytics to create custom reports which were used to analyze and predict mobile web trends and presented findings to management on a weekly basis that eventually increased user traffic by 10%

**Network Administrator** | **DSG Global Headquarters**

*Mar — Sep 2014 | Malvern, PA*

- Improved network by performing network monitoring/analysis; performance tuning; troubleshooting network problems; and escalating problems to vendor which eventually increased network performance by 15%
- Performed network and desktop training workshops for staff that helped increase productivity of the company
- Helped to optimize the daily and weekly SQL backup process by automating parts of previously used backup processing

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## VOLUNTEER EXPERIENCE

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**Volunteer Intern** | **Open Learning Exchange Nepal**

*Aug 2010 — Jun 2011 | Nepal*

- Prepared new computers and servers for deployment in Nepal to help develop education for rural and underfunded schools
- Assisted engineers by travelling to the rural schools and completed workshops for teachers and installed new hardware