

Sandesh Pathak

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EDUCATION

- **Fullstack Academy of Code**, Software Engineering Immersive
- **Drexel University**, BA in Mathematics

December 2016

March 2016

TECHNICAL COMPETENCIES

- **Proficient:** JavaScript/ES6, React, Node.js, Express, PostgreSQL, Git, CSS
- **Knowledgeable:** Java, Python, jQuery, Redux, Firebase, Jasmine, Mocha/Chai, Heroku, Canonjs, Threejs
- **Interested:** Machine Learning, AWS, Big Data Analytics, Adobe Suites

MAJOR TECHNICAL PROJECTS

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

November 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

JavaScript Chess | [Github](#)

October 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](#) | [Youtube](#)

October 2016

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

Tech Talk on IOT | [Youtube](#)

October 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

PROFESSIONAL EXPERIENCE

Web Developer | **Historical Society of Pennsylvania**

March 2015 — September 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**

March — September 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

VOLUNTEER EXPERIENCE

Volunteer Intern | **Open Learning Exchange Nepal**

August 2010 — June 2011 | Kathmandu, 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