

Vishnu Narang

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EDUCATION

Arizona State University, Tempe (May 2018) GPA: 3.89/4

Masters of Science in Computer Science

Courses: Foundation of Algorithms, Multimedia & Web Databases, Data Visualization, Software Security, KR

Pune Institute of Computer Technology, Pune (May 2012) GPA: 3.56/4

Bachelors of Engineering in Information Technology

Courses: Data-Structures, Design & Analysis of Algorithms, Adv. Databases, OOP

SKILLS

Python, Ruby, C/C++, JavaScript, Java, Django, RoR, REST, OOP, HTML, CSS, JS, SCSS, knockout.js, HAML, JADE, CoffeeScript, TDD, Git

WORK EXPERIENCE

Research Aide at Arizona State University (ISTL)

August 2016 - Present

- Using web-speech-api, building an application to collect vocal data and help study and research the cognition behind conversations and attempt to learn from the data, how to improve the effectiveness of conversations.
- Building high performance website from ground up for the lab and for individuals working at the lab. Using knockout.js for the MVVM based website and Django rest api.

Application Developer at ThoughtWorks

July 2012 - July 2016

- Worked as full stack developer on multiple Ruby on Rails projects - Gaming website, Education web app, Energy domain.
- Contributed to a few open-source projects - [ideaboardz](#), [one_offs](#), [Kranti](#), [RapidFTR](#).
- Developed visual testing framework using PhantomJS, CasperJS, PhantomCSS to help the team automate front-end testing.
- Lead the front-end development team while working on a educational website for a client.
- Implemented A/B testing using 'split' gem for a gaming website and used the analytics to improve conversion rate.
- Implemented Right-to-Left user interface efficiently and effectively for a multi-locale, multinational marketing website.
- Debugged a critical performance bottleneck in a "performance war room" setting to fix the production website.
- Learned object oriented programming mindset and scrum

Intern at SmartLeaven Digital Systems

August 2011 - May 2012

- Lead a team of four devs to conduct literature survey and implementation of an application for a project titled, "Behavioural Analysis using Space Virtualization and Object Tracking" using Visual Studio and OpenCV.
- Developed the proof of concept to demonstrate feasibility of our solution and worked on the data collection module for final application.

PROJECTS

Multimedia Databases: A study and implementation.

2016

- Implemented a multimedia database, that uses locality sensitive hashing and nearest neighbor search on a collection video frames by mapping them together using their feature similarities. Also, implemented search of significant and relevant frames using pagerank, personalized pagerank and ASCOS on a similarity graph of the video frames.

Network Planning and Management Tool (NPMT)

2016

- Implemented a Django application for network fault analysis running core fault-analysis algorithms we implemented at the backend.

VishnuN at Github (dot) io

2015

- In my free time, built a static, high performance website on github pages: vishnun.github.io and vishnun.github.io/portfolio

Statistics Generator

2011

- Pet project during undergraduate for converting tabular data into graphs and charts using JAVA to build a web based interface .

Indian Premier League - Management App

2010

- Built a CRUD app while in college to mimic the IPL tournament management.

LEADERSHIP & Extra Curricular Activities.

Geek-Night core committee member

2014-2016

- Plan, schedule and organize quarterly geek-night conferences in ThoughtWorks for geeks around the city to come and learn.

Rails Girls coach

2014 and 2015

- Rails Girls is a platform for women from all backgrounds (technical and non-technical) to come and learn about technology.
- Coached at 2 such events to teach Ruby on Rails and developed and deployed a website with my tutees in this day long conference.

Student Committee Head - Impetus and Concepts (800+ participants)

2011

- Was selected as the committee head to organize a national level technical symposium.
- Designed core algorithmic problems for the final round and implemented an application for elimination rounds with a small team.

Conducting Workshops

2013 and 2016

- Conducted multiple workshops for colleagues and college students to share my knowledge.

National Cadet Corps - Troop Leader

2008

- Was elected as the troop leader for National Cadet Corps unit in high school.

AWARDS & ACHIEVEMENTS

- Runners up - National level project competition at Impetus and Concepts '12
- Multiple programming competition awards across Pune.
- Best All Rounder Scholarship: Awarded this for my contribution as hockey team captain for school and academic excellence.
- Gold and Silver Medalist in multiple Athletics events in High School.

Hobbies and Volunteer work

- Bookwallah Volunteer: Often volunteered on weekends to teach reading to underprivileged kids.
- Raised donation for Ashakiran Jubilee Hope Center for HIV/AIDS.
- Selected as the [green getter](#) for a himalayan trek.
- Swachh Pune: Volunteered to clean neighbourhoods in Pune to spread awareness about cleanliness.