

# Shrutika Poyrekar

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## EDUCATION

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### Indiana University, Bloomington, IN

May 2014

- Master of Science in Computer Science

### University of Mumbai, Mumbai, India

May 2012

- Bachelors of Computer Engineering

## PROFESSIONAL EXPERIENCE

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### Tourize, Bloomington, Indiana, USA – Co-Founder & Head of Technology

Dec 2012 – present

- Won The Bloomington Start-up competition for Tourize (former called Tourist).
- Developing Mobile Application to upload and view Virtual tours.

### Foodies Compass, Delhi, India - Business Researcher

Mar 2012 – July 2012

- Developed web crawlers and studied business data of over 100 competitor websites.
- Collected data for the start-up company using web crawlers.

### SWAMEE, Mumbai, India - Web Developer

May 2011–Jun 2012

- Developed a website for the non-profit organisation SWAMEE – Social Workers Association for Medicine, Environment and Education
- Helped the organisation by creating application software to manage their accounts.

### Times of India, Mumbai, India - Engineering Intern

July 2011

- Worked on the project “Production MIS” to developed database application to retrieve data from PostgreSQL database server and host it on Caravan Business Server.

### iVoulnteer, Mumbai, India - Volunteer as Instructor

Aug 2010 – Nov 2011

- Voluntarily worked as computer trainer to teach computer basics to the under privileged students in Mumbai.
- Taught about 50 students the basics of MS Office.

### Shreyas Agency, Mumbai, India - Software Development Intern

June 2010 – July 2010

- Developed a database application to calculate the monthly accounts of the firm.

## TECHNICAL SKILLS

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**Languages:** Java, PHP, C, C++, CSS, HTML, Java Script, ASP, Python, MatLab

**Databases:** MYSQL, Oracle, MS Access

**Platforms:** Microsoft Windows, Unix

## PROJECT

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### Object Recognition Using Markov Model

- Developed code to recognize facial features using Markov Models.

### Part of Speech Tagger

- Worked on building probabilistic conditional models to tag parts of speech for a sentence.

### Optimization for Karatsuba Algorithm

- Developed an algorithm for to optimize the multiplication of two numbers using karatsuba.

### Event Spotting

- Developed a web application for users to post events either public or private.

### Face Recognition System Using 3D Modeling

- Researching on anthropometric crano facial proportion to develop an algorithm to uniquely recognize an individual.
- The interface accepted wrl files to determine the crano facial proportions.

### Global Optimization

- Built an optimizer to find the global minimum of continuous functions
- Reduced computation time by integrating the solver with heuristics to obtain tighter bounds.

## COMMUNITY INVOLVEMENT, LEADERSHIP & EXTRA CURRICULAR ACTIVITIES

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- Taught English to the under privileged students in Mumbai
- Initiated the “Jaago Re” Campaign in Vidyalkar Institute of Technology to encourage the students to vote for elections
- Scheduled a **Blood Donation Drive** and **Awareness of thalassemia** in “Vidyalankar Institute of Technology”.
- Worked for the Non-profit organization “ANMOL” to organize festivals for the under privileged children.