

SHRENIK SADALGI

3149 Broadway, Apt #6, New York, NY - 10027

Mobile : (917) 488 9233 | shrenik.sadalgi@gmail.com | ss3650@columbia.edu

Objective

Seek a challenging opportunity at a high growth company in the Rich Internet Application industry in areas such as User Experience Design, Web Services, SaaS and Social Computing

Professional Experience

Software Development Associate (Part-time), EdLab – Teachers College, Columbia University, USA

(Sep 2009 – Present)

EdLab is a research, design, and development unit at Teachers College, Columbia University. EdLab envisions and pilots knowledge projects for a fundamentally different education sector that is attuned to the emerging post-industrial world

Responsibilities:

- Design and development of Internet applications for the education sector

User Experience Design & Engineering Lead, MobileMotion Technologies, India

(Dec 2008 – Aug 2009)

MobileMotion's vision is to enable the widespread use of mobile phones to access content on the Internet, thus truly enabling India's 300 million-strong mobile user base to participate in the Internet age. MobileMotion's impact will be to accelerate the creation of mobile Internet content in a manner that reaches the widest possible audience and, through our products, make it possible to engage mobile users in ways that go beyond SMS and voice applications

Responsibilities:

- Working from home and consulting with my CEO and CTO in USA, shaped the product from an idea to a prototype that was demoed to investors before the company was registered
- As a part of the registered company, designed the alpha version of the product

Module Lead, R&D Services, MindTree Ltd, India

(Jul 2005 – Dec 2008)

Client: Hillcrest Labs, USA

Hillcrest Labs has created the first pointer-based, interactive media system for TV. They enable CE manufacturers, service providers, and internet content companies to deliver the most visually engaging and intuitive way to access, discover, and interact with digital media throughout the home

Responsibilities:

- User Experience Design and development of the Flickr application on the recently released KODAK Theatre HD Player
- User Experience Design and development of the Rhapsody application on Hillcrest's HōME Interactive Media System
- On-site requirements collection and design discussions in Rockville, MD

(Aug 2007 – Dec 2008)

Client: National Institute of Communication & Information Technology (NICT), Japan

Mirai-SF (Mirai Simulation Framework) is a discrete event type large-scale network simulator for simulating various network environments or scenarios on a desktop computer. It is developed in Java (J2SE) by the Wireless Applications Group, NICT

Responsibilities:

- Design and development of the following components of Mirai-SF –
 - Media Independent Handover service (IEEE P802.21 D04.00)
 - Ad-hoc On demand Distance Vector (AODV) routing module (RFC 3561)
 - Random Early Detection (RED) algorithm for routing nodes
 - Fast Mobile IPv6 (FMIPv6) with route optimization stack (RFC 3775)
 - Protecting FMIPv6 signaling using IPsec (RFC 3776)
 - ICMPv6 stack (RFC 2463)
 - Wireless propagation models for wireless PHY layer
 - Plug-in framework and plug-ins for Animator
- On-site requirements collection and design discussions in Japan

(Jul 2005 – Aug 2007)

Education	<p>Pursuing a Masters in Computer Science from Columbia University, New York, NY, USA (Fall 2009 courses - User Interface Design, Search Engine Technologies, Advanced Internet Services, Technology & Financial Markets: Financial Technology) (Sep 2009 – Dec 2010 (Expected))</p> <p>Bachelors in Computer Science from R.V.College of Engineering, Bangalore, India (Jul 2001 – Jul 2005)</p>
Projects	<p>Where Should I Work Atypical of on-line job search websites that only match job positions in a database with the job position a user applies for, this application recommends companies a user should work for by considering their interests, academic background and past work experience. The application was written in Perl (Sep 2009 – Dec 2009)</p> <p>Columbia Barter An application to help students barter products and services among themselves in a university network. This application was written in Ruby (RoR) with the UI written in Adobe Flex. It is still under development and should be ready for use by students in Fall 2010 (Sep 2009 – Dec 2009)</p> <p>Right Here, Right Now An application to visualize concurrent searches on News and help bring out relationships between related News items. This application was written in Adobe Flex and used the BING Search API for fetching news items (Sep 2009 – Dec 2009)</p> <p>Topology discovery protocol for Network Infection Containment This project implemented a protocol to dynamically discover events and service-specific changes in a network topology to allow faster threat information distribution. Challenges of faster convergence in case of topology changes, robustness and fault-tolerance were met on Omnet++ simulator. This was executed as an Internship at Cisco Systems, India (Apr 2005 – Jun 2005)</p> <p>Hawk-Eye An application that tracked the motion of a cricket ball and simulated its path using the concepts of motion tracking of rigid objects. The application was written in C on Linux, with a GUI built using QT Designer. The animation of the simulated path of the ball was implemented using OpenGL (Jan 2004 – Jul 2004)</p>
Computer Skills	<p><i>Programming Languages</i> : Java (J2SE), C, C++, Perl, Python (Google App Engine)</p> <p><i>Operating Systems</i> : Linux, Windows</p> <p><i>Web Development</i> : HTML, XHTML (MP 1.0), Adobe Flex AS3, Javascript, GWT, PHP, JSP</p> <p><i>Database Environments</i> : MySQL</p> <p><i>Illustration Tools</i> : Adobe Photoshop CS3, Adobe Illustrator CS3</p>
Honors	<p>Was chosen as an Outstanding Performer (top 0.1% among 4000 employees) for 2 consecutive years ('05-'06 & '06-'07) at MindTree Ltd, India</p> <p>Was awarded a Spot award for high quality of deliverables in the Mirai-SF project at MindTree Ltd, India</p> <p>Was awarded a Spot award for contributing towards organizing Osmosis 2005 – the MindTree TechFest</p> <p>Finished in the top 1% among 100,000 students in CET, a state-wide aptitude test in basic sciences and mathematics that influences undergraduate admissions to engineering schools in May 2001</p>
Creative Pursuits	<p>Photography – http://www.shreniksadalgi.com</p>