

HASNAIN LAKHANI

DEVELOPER, ENTREPRENEUR

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Profile

Interested in practical research to advance the pinnacle of knowledge, as well as building something to help the masses.

Open Source

[QuranApp](#)

Web Application that allows users to create document collections of various Quranic Ayats.

[Halwa](#)

Static site generator written in Python.

[NewsMap](#)

Web application that allows users to easily browse the newspapers of the world.

Technical

Languages	Frameworks	Platforms	Libraries
Python	Flask	Web	SQLAlchemy
C++	Django	Samsung Bada	Reportlab
C#	wxPython	Windows	BeautifulSoup
Java	WinForms	Linux	xhtml2pdf
Software	Databases	VCS	Misc
gVim	MySQL	Git	PDF Generation
Visual Studio	Postgres	Bazaar	Scripting
Eclipse	MS-SQL	SVN	Excel Automation
Netbeans	Redis	Mercurial	MATLAB

Experience

Anahata Solutions CTO

2010 - Present

Developing a line of applications for the Samsung Bada platform. Creating a distributed analytics solution. Writing web service back-ends for Android applications. Making strategic business decisions. Managing a team of developers.

SRI International International Fellow

August 2012 - January 2013

Studying decentralized capability-based authorization protocols for content-based networks.

Lahore University of Management Sciences Research Assistant

June 2011 - Present

Research into computer networks, computer security, distributed systems, and data provenance.

Lahore University of Management Sciences Teaching Assistant

2011

Holding tutorials and office hours. Grading quizzes. Handling administrative activities.

Pakistan International School Software Developer

2009

Developed the admission registration system as part of a school project; utilizing MySQL, Python, wxPython(GUI) and reportlab(PDF generation) to allow users to manage the registration process efficiently.

Saudi Business Machines
Software Development Internee

2008

Testing new software and writing feasibility reports. Attending external conferences to explore new technologies and report on them. Basic training in WebSphere, WSDL and SOAP web services.

Education

Lahore University of Management Sciences
BS in Computer Science — 3.90 CGPA, 4.00 SCGPA

2013 (Expected)

Pakistan International School, English Section, Riyadh, Saudi Arabia
A Levels with 4 As in Mathematics, Physics, Chemistry and Computing

2009

Awards

Speed Programming Competition, GIKI Softcom '10
Winner

2010

IEEEExtreme 5.0
Top 30 in Asia (R09)

2011

IEEE National CodinGuru '10
Third Position

2010

Intra-LUMS CodinGuru '09
Third Position

2009

*Academic
Interests*

Algorithms

Functional Programming

Data Provenance

Artificial Intelligence

Discrete Mathematics

Compilers

Distributed Systems

Machine Learning

Projects

Steganography with mazes in MATLAB

Firefighting robot using DTMF

Scalable Verification of Outsourced Dynamic Replicated Databases

Automated cracking of substitution ciphers using Genetic Algorithms