

Nikhil Nakhate

Cirriculum Vitae

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EDUCATION

UNIVERSITY OF WISCONSIN-MADISON

MASTER'S IN COMPUTER SCIENCE
September 2016 - Present |
Madison, WI

NATIONAL INSTITUTE OF TECHNOLOGY, CALICUT

B. TECH. IN COMPUTER SCIENCE & ENGINEERING
May 2012 | Kozhikode, KL, India
Cum. GPA: 8.24 / 10

LINKS

LinkedIn:// [nikhilnakhate](#)
Twitter:// [@NikhilNakhate](#)

PROJECTS

Game theory: Analysed 3G spectrum auctions in India and the game, 'Deal or No Deal', secured top grade.

Zigbee Smart Energy Network:
Finalist at TI Analog Design Contest

Cloud Security: Researched about Multi-Agent Systems, REAL (Rubbing encryption algorithm) etc. Implemented a 2-factor authentication.

INTERNSHIPS

TCS: Developed a tool, 'Carbon Footprint Calculator' in Java, Javascript.

SKILLS

PROGRAMMING

> 10000 lines:

Java • C • C++ • Android • AngularJS
• iOS • Matlab • GAE (Objectify, Java)

> 1000 lines:

HTML • CSS • PHP • Shell • Python • OCaml • PERL • Assembly • \LaTeX

Familiar:

Lisp • Prolog • MySQL

TOOLS AND UTILITIES

Matlab Image Processing toolbox •
Matlab Computer Vision system
toolbox • Git • Android Studio •
Eclipse • OpenCV

EXPERIENCE

ONTWERP | FOUNDER & CEO

July 2014 – March 2016 | Bangalore, India

- Developed 2 Android apps - foodease, foodease Order Manager
- The customer-side application, foodease was developed for in-restaurant food ordering, pre-ordering. It sends the order payload to foodease order manager, its merchant-facing counterpart, automating the order taking process
- A Bluetooth beacon pushes the menu on the phone for in-restaurant ordering whereas GPS Tracking is used to calculate the ETA (pre-ordering)

VMWARE | MEMBER OF TECHNICAL STAFF

July 2013 – June 2014 | Bengaluru, India

- Obtained Certification - VMware Certified Associate
- Performed Unit Testing on Storage Protocols like SCSI, iSCSI, Fibre Channel, FCoE, File Systems (VMFS, NFS), Virtual Disk (VMDK), being in the ESXi team
- Wrote Automation Scripts in PERL

DELOITTE | BUSINESS ANALYST

June 2012 – July 2013 | Bengaluru, India

- Obtained Certification - Workday (ERP) Integration
- Worked on designing business processes, routing data through appropriate channels by way of block diagrams and Java code
- XSLT was used to retrieve data from the output XML

RESEARCH

INDIAN INSTITUTE OF SCIENCE, BANGALORE | RESEARCH ASSISTANT

Sept 2015 – June 2016 | Bengaluru, India

Worked with Prof A G Ramakrishnan on an OCR (Optical Character Recognition) project. We have been working on a novel algorithm using interval trees (Red Black trees) for line segmentation, specially developed for Indian Languages. I have developed an intelligent search and replace algorithm using HoG and SVMs for error correction. I then worked on detection and segmentation of different fonts and styles, Indic text interspersed with English text, Approximate string matching for spell check, to improve tool efficiency

UNIVERSITY OF WISCONSIN-MADISON | RESEARCH ASSISTANT

Sept 2016 – Present | Madison, WI

Working with Prof Mohit Gupta in the area of Computer Vision. We are currently working on drone navigation.

AWARDS

2012	6th/120	Eighth Semester CSE Branch results (SGPA 9.00)
2011	4th/120	Seventh Semester CSE Branch results (SGPA 9.25)
2011	3rd/120	Sixth Semester CSE Branch results (SGPA 9.29)
2005	49th in City	Bombay Talent Search Exam
2005	City	Finalist at Homi Bhabha Examination
2003	27th in State	High School Scholarship Examination
2000	28th in State	Middle School Scholarship Examination