

Vikas Palakurthi

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EDUCATION

Indiana University Bloomington	2015 – 2017
MS in Computer Science	GPA: 3.9 / 4
Biju Patnaik University of Technology	2007 – 2011
Bachelor of Technology (Electrical & Electronics Engineering)	GPA: 07.23 / 10

TECHNICAL SKILLS

- **Programming Languages** : Python, C, COBOL, C++, JCL, and Java.
- **Databases** : MongoDB, DB2 and Oracle.
- **Web technologies** : HTML, CSS, JavaScript, jQuery, flask.
- **Tools** : PyCharm, Eclipse, GitHub, ChangeMan, InfoMan, ControlM, HP Quality Center, AbendAid, ServiceNow and JHS.

PROFESSIONAL EXPERIENCE

Lead Associate Instructor – Python Programming	01/2016 to present
Informatics, Indiana University, Bloomington, Indiana	
<u>Responsibilities:</u> Lead lab presentations, grade homework, mentor students, handle academic misconduct etc.	
Application Developer	01/2012 to 07/2015
Tata Consultancy Services Limited, Hyderabad, India	
<u>Responsibilities:</u> Design, build and test applications on mainframes for enhancing the operation of <i>Credit Authorization System</i> for the client <i>American Express</i> .	

PROJECTS

Restaurant Recommendation system:

Developed a restaurant recommendation system based on the Yelp academic dataset. The system is designed to suggest a list of restaurants to a Yelp user, given the time and location preferences of the user. Worked as part of a team of three.

Tools and technologies used: Python, MongoDB, PyMongo, JSON, tkinter, PyCharm IDE.

Checkers, Tic-Tac-Toe, Robot Hand etc:

Designed a checkers game using Minimax algorithm with Alpha-Beta. Designed multiple applications using Artificial Intelligence techniques like A*, Best first search, heuristics, Genetic algorithms etc.

Tools and technologies used: Python, PyGame, PyCharm IDE.

Credit Authorization System (CAS) of American Express:

Worked on multiple projects ranging from minor fixes to adding new modules to the system including some highly critical projects. A high level of some of the projects:

1. Project to reduce the delay in payments to AmEx merchants from 3 days to 1 day for EMEA markets.
2. Implementation of a re-engineering idea which resulted in about \$100K yearly saves for AmEx.
3. Remediation of numerous business critical MQ services and IMS transactions to make them compatible with new infrastructure changes under tight deadlines.

Tools and technologies used: COBOL, JCL, DB2, MQs, IMS Trans and other business specific tools.

ACHIEVEMENTS AND EXTRA CURRICULAR ACTIVITIES

- Rated **4.3 out of 5** in TCS internal rating process for the financial year 2013-14.
- Awarded '**On the Spot Award**' on account of high goal oriented performance.
- Stood among the **top 1** percentile (ranked **131 in India**) in a national level I.T. aptitude test conducted by NIIT in 2011.
- Been an integral part of Sangam (Annual fest for American Express – TCS employees). Organized volleyball and caroms tournaments. Acted in the two team commercial videos.
- Qualified for the final round of a state level (Odisha in India) C programming contest organized by *Lakshya*.