

NAWAZ HUSSAIN KHAZIELAKHA

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EDUCATION

Master of Science in Computer Science

Indiana University

May 2019

Bloomington, Indiana

- Relevant Courses: Algorithm Analysis and Design, Elements of Artificial Intelligence and Information Retrieval

Bachelor of Technology in Computer Science and Engineering

Jawaharlal Nehru Technological University

May 2015

Hyderabad, India

- Percentage: 80.1% (First Class with Distinction)
- Relevant Courses: Advance Data Structures, Software Engineering and Operating Systems

SKILLS

Programming Languages:	Java, Bash scripting, Python, HTML, CSS, JavaScript, C/C++
Databases and Framework	DB2, PostgreSQL, MySQL and Hibernate
BI Softwares:	Informatica PowerCenter, OBIEE 11g, Tableau
Certifications:	Java Certification (Internal - Infosys Limited)

WORK EXPERIENCE

Systems Engineer

Infosys Limited

July 2015 - July 2017

Hyderabad, India

- Deployed a standalone application to automate query resolution raised by Stake Holders in the Ministry of Corporate Affairs, Govt. of India.
- Developed the 'Payments Processing Module' in an Agile setting with a team of 2 developers and achieved 150% increase in the performance by re-engineering underlying business logic to process transaction data.
- Developed JUnit Test cases for module testing in DEV, SAT, UAT environments.
- Automated the management of file storage in the production servers using bash scripts.
- Developed java modules to update system-wide performance and revenue reports.

Part-Time Research Intern

Robotics Research Lab, IIIT

April 2016 - July 2016

Hyderabad, India

- Collaborated with research students and worked on developing a localization algorithm for a quad-copter to spatially locate itself in a free space using inputs from on-board flow sensors and Zed stereo camera exclusively .

Systems Engineer Trainee

Infosys Limited

January 2015 - April 2015

Mysore, India

- Implemented Yates-Fisher shuffle algorithm in user authentication module of speech-based learning management system developed using Google Speech API, JSF, HTML5, CSS and Hibernate.
- Built performance reports of a test project using Informatica and OBIEE reporting suite.

PROJECTS

HeatMap of Popular Cuisines

September 2017 - December 2017

- Tokenised user reviews in the yelp Dataset, visualized the most popular cuisines from the user reviews, using Latent Dirichlet allocation and Markov decision process based (collaborative filtering) models, on gmaps. Utilized Precision and Recall Evaluation to calculate the hit-ratio of the implemented system.

Image Orientation Prediction

September 2017 - December 2017

- Implemented Neural Nets, adaptive boost and KNN classification techniques to predict the orientation of given 8 X 8 image. Implemented adversarial search, bayes-nets, HMM, and Viterbi algorithms on multiple challenges.

Wireless Sensor Network Security Model using Zero Knowledge Protocol

July 2014 - August 2014

- Successfully implemented an enhancement to overcome 'clone attack' in a test network of five wireless sensor nodes. Implemented ZKP and enhanced existing system.

POZO: A game in C++

July 2013 - November 2013

- Developed an interactive game in C++ using Allegro Libraries. Extensively utilized multi-threading and frame rendering to create animation of the avatar of the user.