Vikas Raghuwanshi

Curriculum Vitae

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Education

2016–2019	**M.Tech in Computer Science Engineering**, *International Institute of Information Technology*, Hyderabad, *CGPA − 7.59.*
2011–2015	**B.E in Computer Science Engineering**, *Institute of Engineering and Technology*, Indore, *Percentage − 69.53.*
2009–2010	**CBSE XII Board**, *Shivpuri Public School*, Shivpuri. *Percentage − 73.60*
2007–2008	**CBSE X Board**, *Kendriya Vidyalaya*, Guna. *Percentage − 72.00*

Experience

February 2019 –July 2019	**Software Engineer**, *Bitonic technology*, Bangalore. Working in chatbot domain. Provide platform to run chatbots.
May 2018 –June 2018	**Research Intern** , *Samsung Research Institute Bangalore*, Bangalore. Created emotional based chat system.
May 2015 –August 2016	**System Engineer and Educator(JAVA)** , *Infosys Ltd.*, Bangalore.

Awards and Achievements

2016	**GATE**, Qualified GATE with score 626.
2024	**UGC-NET** , Qualified UGC-NET for assistant professor.

Projects

Serverless Platform (aPaaS)	This is an application platform as a service (aPaas). To use our platform, an application developer has to break his application in multiple independent stateless functions. Platform provides many ready-made services which can easily be invoked just like a function call. *Tools & Technologies: J2EE, RabbitMQ, LDAP, NFS, Docker, Vagrant.* *Key Areas: MicroServices Architecture, Development and Deployment, Distributed Computing, NoOps model.*

Wikipedia Search Engine	Wikipedia search engine was implemented over a wiki dump of around 64 GB. Key challenge in this project was to implement multi level data indexing to provide on demand search results in memory through disk reads. *Tools & Technologies: Java and XML Parser.* *Key Areas: Information Retrieval and Extraction.*
Mining Frequent Item set	Implemented A-priori algorithm to mine frequent item sets and learn association rules from a retail store dataset of transactions. *Tools & Technologies: Python.* *Key Areas: Recommendation, Association Rules.*
Linux Shell	Implemented a Linux shell for running all types of commands (that supports piping, redirection, history, environment variables,external-internal commands etc) in C++ using family of system calls. *Tools & Technologies: C++.* *Key Areas: Inter-process Communication, system calls.*

Skill set

Languages	C, C++, Java, Bash, SQL, Python.
Web	HTML, CSS, JavaScript, Apache, Tomcat.
OS	Windows, Linux.