

VISHAL GUPTA

1931/19 GOVINDPURI EXTENSION, SUDARSHAN MUNJAL MARG, DELHI - 110065

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EXPERIENCE

Thesqua.re Pvt. Ltd., New Delhi, India

July 2016 - Present

Full Stack Developer, Python Developer

- **Payments Gateway Integration:** Integrated the REST-API of payment gateway and wallet provider for creating, managing user wallets and making seamless payments using 3D secure cards and bank-wire transactions.
- **Automatic Product Management System:** Designed and developed system for automatic management of the listing of products according to pre-saved configuration.
- **User Tracking Software:** Developed an internal tracking system which keeps record of logged-in and anonymous users' activities on the website.
- **Lead Management Application:** Developed software through which customer relationship team can manage the generated leads.
- Other day-to-day operations like Sprint Planning with product team and development of other technical concerns of organization.

TECHNICAL SKILLS

- **Programming:** C, C++, JAVA (core), Python (proficient)
- **Frameworks:** Django, webapp2, Google App Engine
- **Web Technologies:** HTML5, CSS3, SCSS, JavaScript, jQuery, AJAX
- **Databases:** Google Cloud Datastore, NDB, MySQL
- **Other Technologies:** JSP, Grunt, jinja2, GIT, Spring Boot, AWS Cloudsearch
- Sound Knowledge of **Algorithms and Data structure.**

PUBLICATION

Test Suite Prioritization Using Nature Inspired Meta-Heuristic Algorithms

International Conference on Intelligent Systems Design and Applications, Porto, Portugal

Springer Publication, Feb 23, 2017

- Proposed and then empirically proved a better technique based on Grey Wolf Optimizer to efficiently prioritize and minimize the test cases during regression testing phase.

PROJECTS

Load Balancing on Private Cloud

Technology: Java, Python

- Load Balancing of the requests made for an integral service hosted on multiple virtual machines on the cloud transparently
- Implemented a private cloud to share a pool of resources using Apache CloudStack Infrastructure as a Service (IaaS)
- Processing capability is added using Stackato for Platform as a Service (PaaS)

Intelligent Game Playing Agent (BOT)**Technology:** Java

- Developed an Intelligent Angry Bird Playing Computer Player which detect and manipulate objects on game screen
- Trained to imitate as a human
- Learn and play game automatically and intelligently.

Transforming Engine for XML messages into HL7**Technology:** Java

- Developed an engine which provides an HL7(Health Level 7) format converted data, as an output stream
- GNU Hospital Health Management System is used as an source of data with the help of **Mirth Connect** as a Transforming tool

Electronic Cops (WebSite)**Role:** Java Class (Business Logic) and Database Designer

- Worked on the development of a website dedicated to police forces, for proper law enforcement and increases the coordination between them, using Java server pages applied using **MVC** architecture.

EDUCATION			
Year of Passing	Degree	Institution	Percentage/ CGPA
2016	M. Tech(Software Engineering)	Delhi Technological University (Formerly DCE)	8.6/10
2014	B. Tech (Computer Science and Engineering)	Maharaja Agrasen Institute of Technology, Delhi (GGSIPU, Delhi)	76.2
2010	Class XII, CBSE	Delhi Public School, Rohtak	82
2008	Class X, CBSE	Satyanand Public School , Gohana	89.6

EXTRA-CURRICULAR AND ACHIEVEMENTS

- Appointed as **Co-Convener** in College Festival-MAIT,Techsurge & Mridang '13
 - Was Active **Key Member** of **I.E.T.E.** Student forum Chapter **MAIT, Delhi**
 - **Headed Blood Donation Camp** conducted by 'Red Cross Society' (Jan-2013)
 - '**A**' **certified** enthusiast in a **Short term** study **course** on **Sustainable development**, organized by **United Nation (UNCSD)** -Mar '13
 - Secured **All India Rank 540** in **GATE 2014** viz. within 0.4% of total students
 - Secured **All India Rank 516** in **IPU CET 2010** viz. within 0.7% of total students
 - Qualified UGC-National Educational Test(NET) conducted by CBSE (Dec-2015)
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