

# Vinod Kumar Karantothu

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## Career Objective:

To apply acquired skills, education and experience in software development to achieve a software engineer position in an organisation committed to advancing through R&D.

## Education:

- M.Sc. Software Engineering, Blekinge Institute of Technology - Karlskrona, Sweden. 2018.
- B.Tech. Computer Science and Engineering, JNTU University - Hyderabad, India. 2016.

## Technical Skills:

- Programming (Java [4], C++ [4], C [4], C# [2], R [3], Python [2])
- Web (HTML [4], CSS [4], JavaScript [3], JSON [3], jQuery [3])
- Database (MySQL [4], Postgres [4])
- Cloud Computing (Microsoft Azure [4])
- Testing (JUnit [4])
- Measurement (Eclipse Metrics [4], STAN [4], Metrics Reloaded [4])
- Miscellaneous (Maven [3], Git [4], Jenkins [3], Docker [3])
- Operating Systems (Windows [4] and Linux [3])

Level: [5-Expert, 4-Proficient, 3-Competent, 2-Advanced Beginner, 1-Novice]

## Software Engineering Skills:

- Research
- Product Development.
- Agile and Lean Software development (Scrum)
- Global Software Development
- Software Quality Management

## Leadership Experience:

- Microsoft Student Partner at Microsoft – Hyderabad, India. *Dec'2015- Dec'2016*
- Technical Fest Coordinator at JNTU University Hyderabad, India. *Feb'2016- Mar'2016*

## Academic Projects:

- **Protection of Privacy of Multiple User Datasets**, user privacy preservation mechanisms in data storage and present the challenges for existing mechanisms.

Role: Developer

Technologies: Java Servlets, MySQL

- **Patterns and anti-patterns applying Agile**, reviewed the research articles and wrote research proposal to investigate on the patterns and anti-patterns in agile software development and their consequences.
- **Static and Dynamic Automated Testing of an Open Source Software**, static and dynamic analysis performed on an opensource software project Feedback Monitoring and Gathering tool.  
Role: Tester  
Tools: FindBugs, PMD and Selenium

- **Software Analysis for predicting Maintainability**, calculated metrics of Jsonitor software using open source tools. Evaluated the maintainability of the software, compared and reported experimental and numerical values. Gained knowledge about GQM tree, different kind of metrics and quality attributes.  
Role: Tester    Tools: STAN (Eclipse IDE), Metrics Reloaded (IntelliJ)
- **Online File Storage Application**, an online file storage web application. Project is to get in practice with Agile and Lean Development methods and practices.  
Role: Developer and Scrum Master              Technologies: HTML, CSS, PHP, MySQL

## References:

### Language Skills:

### Personal: