

RITU SINGH

rritusingh796@gmail.com | <https://www.linkedin.com/in/ritusingh107> | +91 8860518996

EDUCATION

University of Hyderabad, School of Computer and Information Sciences 2017–2020
Masters in Computer Applications

- Aggregate CGPA: 8.22 (marked on a 10-point scale)
- Participated in **Smart India Hackathon - 2019 (Hardware. Ed.)** conducted by MHRD.
- 1st Position in group dance competition in Annual Fest SUKOON, University of Hyderabad
- Co-Founder of MCA-Dazzlers - the dance group, University of Hyderabad

University of Delhi, Kirori mal College 2014–2017
Bachelor of Sciences (Physical Sciences)

- Aggregate Percentage: 83.2%
- Volunteered in **Renaissance**, College Cultural Fest, Kirori Mal College, University of Delhi

PROFESSIONAL EXPERIENCE

GE India Private Limited, Hyderabad Technical Centre, Hyderabad
GE Digital
Software Engineering Specialist

Nov 2020 - present (2 years, 2 months)
Date of Joining: 11/09/2020 (mm/dd/yyyy)

- Responsible for designing, building, delivering and maintaining software application and services.
- Worked in the areas of machine, platform and/or application. Responsible for software development including activities such as requirement analysis, documentation/procedures, implementation and testing.
- Awarded Pat on the back and Impact award (2 times, in 2021 and 2022) for exhibiting excellence through sustained performance

GE India Private Limited, Hyderabad Technical Centre, Hyderabad
GE Digital
Digital Technology Intern

Jan 2020 - July 2020 (6 months)
Date of Joining: 01/06/2020 (mm/dd/yyyy)

- **EFEP OPC UA Client (Reliance Interface)**
 - Worked on development of OPC UA client, based on OPC UA Protocol in Extensible Front-End Processor (EFEP), which will provide a communication interface between the Reliance EMS (Energy Management System) and multiple end devices (like RTUs).
 - OPC UA Client supports different security features like Authentication based on SSL Certificates, Secure communication channel with message signing and encryption based on Security Policies (like Basic128Rsa15Basic256) and User Authentication based on different user tokens.
 - OPC UA Client provides standard specifications for data access (DA) and Alarms and Events (A&E).

PROJECTS AND TRAININGS

- **Techno Riot - IoT (National level - Smart India Hackathon-2019)**
 - A smart irrigation system using IoT and cloud-based solution to figure out effective irrigation and increase yields.
 - Worked on 4 Modules (NPK sensor, Fog node, Edge Node and Application UI)
 - Worked in the team of 6 members for Smart India Hackathon- 2019 hosted by MHRD
- **P2P File Sharing Application - Java**
 - A hybrid network architecture, using the technology same as Napster.

- Developed a **blogging website** using CSS and HTML.
- Developed ‘**Simpletron**’ - A simulation of Compiler in **C Language**.
- Participated in the UGC sponsored national workshop on “**a trend toward machine learning: techniques and application**” at Deen Dayal Upadhaya College, Delhi University.

TECHNICAL SKILLS

SQL, C, C++, Java, Python, AWS, HTML, CSS, PHP

ADDITIONAL INFORMATION

Languages: English, Hindi.

Interests: Travelling, Dancing, Playing volleyball, Quodophile.