

# Roshan Gardi

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## EDUCATION

**California State University Long Beach**, CA (2021-2023)  
**Savitribai Phule Pune University**, Pune (2013-2017)

Master of Science (Computer Science)  
B.E. (Computer Engineering), First Class

## WORK EXPERIENCE

### **DevOps Engineer - AWS Solutions Architect**

Dec 2017 – Dec 2020

**Capgemini** India Private Ltd, Pune, India:

- Automated work using: Python Scripting, Bash Scripting.
- Deployed and managed Amazon Web Service (AWS) resources (EC2, VPC, ELB, S3, RDS, Dynamo DB, Route53, SNS, SQS, Lambda, IAM, elastic cache)
- Experienced with Orchestration Platform such as Kubernetes/Docker
- Experienced with Infrastructure Automation: Terraform, AWS CloudFormation
- Experience in Database, Networking, API, Security and Certificates.
- CI/CD: Jenkins pipeline development with Groovy Script.
- Experience with Atlassian Tools: JIRA, Confluence, GIT, etc.
- Monitoring/Logging tools: ELK, Newrelic.
- Good knowledge in RESTful APIs, MuleESB and API Management Application- MuleSoft

## ACADEMIC PROJECTS and PUBLICATIONS

### • **Intelligent Solid Waste Receptacle**

**Aim:** To develop a system which monitors the garbage bins in the city and informs about the level of garbage to the collectors so as to avoid overflowing of bins and improve basic environmental hygiene

- Engineered a model using ultrasonic sensors and Arduino Kit, Python, Google Charts API used for visualization of data.
- Developed an Android Application for garbage collectors to locate the bins and notify the status of bins
- Paper on the work published in the International Research Journal of Engineering and Technology.

### • **Garments Management System**


**Aim:** To define the working of the database using Java's AWT (Abstract Window Toolkit) for GUI and establish connectivity with SQL database using JDBC

- Developed Garment application using Java AWT APIs. SQL connectivity establishment using JDBC & exception handling.

### • **Intelligent M2M Network using Healthcare Sensors Discussed:**

- The significance of communication between the machines without or with the least-human involvement, in health care.

## CERTIFICATIONS, AWARDS, LEADERSHIP, CO-CURRICULAR

- **AWS** (Amazon Web Services) Certified Solutions Architect – Associate (SAA-C02)
- **President**, Professional Development Cell (PDC) of ACM Student Chapter, 2015-16.
- **Teaching Assistant**, Data structures for sophomore students, 2016-17.
- **Personal Project**, developed a Technology Blogging application, written in Python Flask WebFramework. 
- **Patent**, 'Intelligent Solid Waste Receptacle' at Intellectual Property India Patent Office, Application: 201721005632
- **Capgemini and Client Awards**, Customer Delight, Star Award, Influencing Team Award from Capgemini and Client.
- **Leadership**, spearheaded a team of 5 experienced colleagues for 8 months at work, strong ability to pick up a new tool quickly, able to work in a team, able to communicate complex technical topics to a variety of audiences.