

# SHETU RAJ

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📄 Github : [Profile](#)

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🌐 Website: [E-Portfolio](#)

## Introduction

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I am a Software Development Engineer having a versatile work experience of around 2 years building enterprise applications with expertise in full stack, devops, automation, scripting and server side technologies.

I am proficient in C++, Java, Python and Javascript along with frameworks like ReactJS, ExpressJS, NodeJS and Django. Looking forward to join an organization where I can build innovative and cutting edge business solutions with state of the art software design and development principles.

## Technical Skills

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- **Programming Skills:** C++, Python, Java, Javascript
- **Frameworks:** ReactJS, ExpressJS, NodeJS, Django
- **Databases:** MySQL
- **Other Skills:** Docker, Git, Subversion, DevOps
- **Operating Systems:** Windows 10, Linux

## Work Experience

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### MICROSOFT, Bangalore, India

(Apr 2022 — Present)

#### SOFTWARE ENGINEER 1

- Working on developing new features for Dynamics 365 with focus on quality, usability & performance

### ORACLE, Bangalore, India

(Nov 2020 — Apr 2022)

#### SOFTWARE DEVELOPMENT ENGINEER 1

- Designed, developed and implemented a cost effective dynamic web application based on Oracle Cloud Infrastructure(OCI) Object Storage
- This helped in reducing storage cost compared to existing solution by 1/10th (one-tenth)
- Provided rich user experience with engagement based UI and features like user authentication, upload, download, alerts, notifications, search engine with pagination, real time sync with cloud, etc.
- Implemented Restful APIs for above features with secure authentication
- Made a python application for analyzing different parameters and elements of CI/CD pipeline aimed towards optimization and better performance of the pipeline
- Contributed towards implementation of automation scripts for managing and provisioning OCI related software environments
- **Technologies** - Python, Javascript, Django, Rest API, Ajax, Bootstrap, Jenkins, OCI, Subversion, Linux

### ORACLE, Bangalore, India

(Jan 2020 — June 2020)

#### SOFTWARE DEVELOPMENT INTERN

- Designed and developed a web application tool for monitoring the health of Oracle Cloud Infrastructure(OCI) resources which provided meaningful and detailed insights
- Made a web application for provisioning infrastructure for OCI resources directly replacing the existing multi-step manual process which helped in automating it
- Wrote infrastructure as code modules and libraries for OCI resources which resulted in infrastructure

being provisioned and deployed incredibly fast (within minutes instead of hours)

- Contributed towards automation of the process of software patching for Oracle Retail Cloud Applications which drastically reduced the process to couple of hours
- **Technologies** - Python, Javascript, Docker, ReactJS, Terraform, OCI, Linux
- [Internship Certificate](#)

## TECHNIKON Forschungsgesellschaft mbH, Villach, Austria (May 2019 — July 2019)

### RESEARCH INTERN

- Researched and developed security solutions for resource-restricted hardware as part of the European Union funded research project RESCURE
- Developed security building blocks for Internet of Things(IoT) applications and integrated physically unclonable functions on IoT devices
- Contributed towards scientific publications and project deliverables for the project
- **Technologies** - C, PUF, SSL, BootLoader, Amazon Web Services(AWS), STM32 IoT, Arduino, Latex
- [Internship Certificate](#)

## Projects

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- **Inventory Management and Billing Web Application ([Link](#))**  
A free lancing project where I made a dynamic website for managing inventory with features like Billing, Adding, Removing Inventory/Stock and Analysis of Sales and Stocks with custom filters for a retail client  
**Technologies** - Javascript, NodeJS, MySQL, HTML, CSS, Ajax, Rest API
- **COVID-19 Tracker ([Link](#))**  
A dynamic Web App for tracking COVID-19 cases in India (Total along with state and district wise) and World-wide (Total and Country wise) with real-time data and statistics  
**Technologies** - ReactJS, Javascript, HTML, CSS
- **Mood based Music Player Android App ([Link](#))**  
A Music player App for playing songs based on the emotion of the user by using facial recognition  
**Technologies**- Java, Android Studio, Microsoft Azure

## Education

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Bachelor of Technology (B.Tech) <i>Manipal Institute of Technology, Manipal</i> Department of Electronics and Communication Engineering CGPA - 8.87/10	July 2016 - July 2020
12th Grade <i>St. Michael's High School, Patna</i> CBSE - 94.2%	May 2015
10th Grade <i>Don Bosco Academy, Patna</i> ICSE - 93.2%	May 2013