Roshan Gupta
Software Developer

I have been a software developer with a passion for developing clean code with agile principles. I am well-versed in technology and writing code to create systems that are reliable and efficient. I am keen on learning and exploring different technologies.

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WORK EXPERIENCE

Software Developer
SAP Labs India

04/2020 - Present   *Bengaluru*

Achievements/Tasks

- Engineered an SMTP-based email service that automates the delivery of transaction statements to customers at predefined intervals, streamlining communication and enhancing customer engagement.
- Led the development of end-to-end attachment services, enabling customers to upload attachments using AWS S3 storage.
- Led end-to-end development of customer-centric applications, leveraging UI5, Java, and Spring Boot in conjunction with HANA DB and cloud foundry.
- Designed database tables, modeled OData services, and implemented RESTful APIs and service logic for the application to ensure seamless data management and efficient API functionality, leveraging Java, Spring Boot, and HANA DB.
- Developed a reusable JavaScript library with cross-application compatibility, enhancing code efficiency and maintainability through shared components and functions.
- Implemented diverse features and resolution of software glitches bolstering the application's functionality and user satisfaction.
- Implemented Jenkins setup for the deployment of a multi-target application, streamlining continuous integration and delivery processes.
- Responsible for maintaining and resolving issues in a cloud-based multi-tenant application.
- Took charge of implementing UI visualization components such as heatmaps, line charts, bar charts, and micro charts, enriching the user interface with dynamic data representation.

Software Developer - Student Intern
SAP Labs India

08/2018 - 03/2020   *Bengaluru*

Achievements/Tasks

- Engineered a Python-based course recommendation system using NLP and machine learning for a Learning Management System, enhancing personalized course suggestions.
- Designed a data upload service, enabling customers to seamlessly upload Excel data using Spring Boot, Java, and cloud Foundry
- Iteratively prototyped product owner ideas, refining concepts and ensuring alignment with development outcomes.
- Streamlined pre-sales operations by creating a suite of efficient internal tools, boosting team productivity and operational effectiveness

EDUCATION

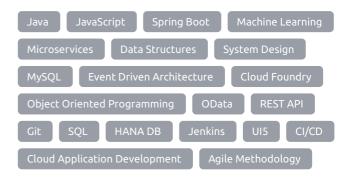### M.Tech
Birla Institute of Technology and Science, Pilani

2018 - 2022   *Grade : 7.2 CGPA*

BCA
CMR Institute of Management Studies, Bengaluru

2015 - 2018   *Grade : 8.2 CGPA*

SKILLS

Java   JavaScript   Spring Boot   Machine Learning   Microservices   Data Structures   System Design   MySQL   Event Driven Architecture   Cloud Foundry   Object Oriented Programming   OData   REST API   Git   SQL   HANA DB   Jenkins   UI5   CI/CD   Cloud Application Development   Agile Methodology

PROJECTS

Generate sales leads from email conversation using AI/ML (01/2022 - 06/2022)
- Developed an intelligent machine learning model using Python, NLP, Scikit Learn, and Flask that can predict the type of sales leads from email conversations and created a working UI dashboard for analytics and lead management.

Generative Adversarial Network (GAN) (01/2019 - 12/2019)
- Implemented a Generative Adversarial Network (GAN) using Python and Keras within Jupyter Notebook to generate high-resolution Pokémon images from a diverse dataset of over 10,000 images. Designed a custom GAN architecture with a generator and discriminator network. Demonstrated proficiency in deep learning, data preprocessing, and advanced machine learning techniques.

Fashion classifier using Tensorflow (01/2019 - 12/2019)
- Developed a clothing classifier using Convolutional Neural Networks (CNN) with TensorFlow on the MNIST dataset. The classifier was subsequently deployed on a cloud platform for seamless access

ACHIEVEMENTS

Machine Learning Model Deployment on Cloud Foundry (01/2020 - 01/2020)
Authored a comprehensive blog post on Machine Learning and TensorFlow, detailing the process of deploying a machine learning model on Cloud Foundry

Technical Support for Team Members (01/2021 - Present)
Consistently delivered expert technical support across diverse technology domains to colleagues within the Line of Business (LOB), enhancing team capabilities and fostering collaborative problem-solving

LANGUAGES

English
Full Professional Proficiency

Hindi
Native or Bilingual Proficiency