

NIRAJ GUJARATHI

International Institute of Information Technology, Bangalore

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Education

International Institute of Information Technology - Bangalore

2021 - 2023

M. Tech. in Computer Science - Data Science Specialization

CGPA - 3.61 / 4.0

K. J. Somaiya College of Engineering - Mumbai

2015 - 2019

B. Tech. in Computer Science and Engineering

CGPA - 8.65 / 10.0

Experience

Accenture

2019 - 2020

Associate Software Engineer

Mumbai

- Worked on Spring frameworks, Git and Jenkins. Experienced in Java Technology.
- Developed vendor specific EDI and SAP-IDoc mapping scripts to automate business process among internal and external business partners. Implemented FTP, AS2 and MQ configurations for business clients as per requirements.
- Gathered an experience working in a dynamic environment, as a part of B2B team in Application Management Services and EDI Consultations; it helped me to understand transnational level business process

Indian Society for Technical Education.

2017 - 2018

Front-end Developer — Intern

Mumbai

- Volunteered as Website Developer and Technology Team member at ISTE-KJSCE and TMRT council.
- Developed website front end, optimised long running java scripts and improved loading speed of web-page, optimised servers requirements.

Projects

Academic ERP | Java , Spring, Hibernate

[\[CODE\]](#)

- Designed a Student's Academic ERP system, where Student can login to portal and register for course, also can view time table for enrolled subject.
- Implemented object-oriented programming practices. Used Hibernate for handling java persistent object and mapping to My-SQL database, followed Model-View-Controller design pattern using Spring framework

Kisaan Portal | JavaScript, DevOps, MERN

[\[CODE\]](#)

- Designed Farmer's Portal which provides all in one information about location-wise weather reports and daily market prices of various farming products, with integration of two external APIs based on these prices farmers can sell their farming products online directly to customers based on current market pricing.
- Followed DevOps principles and managed CI-CD pipeline using various DevOps tools like Jenkins, Git (version control management), Docker, Ansible. Implemented User Login, Registration and Authentication.

Research Intern | Mentor - Dr. J. H. Nirmal | ML, Python, NLP

[\[CODE\]](#)

- Designed machine learning model for sentiment analysis on movie reviews, experimented with Naive Bayes and SVM Classifier and analysed accuracy metric.

Achievements | Highlights

- Secured **All India Rank- 852** with 99.2%ile in GATE-CSE 2021.
- Improved technical skills in Java with ORACLE WDP certification; and interned with ATS Learning Solution
- Certified by EC-council in cyber security; secured Microsoft certification badge in Azure fundamentals, Security and AI.
- Led web development team in college councils, handled website designing and development tasks.

Publications

Accident prevention in Vehicles caused by Driver Drowsiness | Visual Recognition, Python, CNN

[\[LINK\]](#)

- Project aims to reduce the number of accidents by detecting driver drowsiness. Detection model continuously monitors video frames of facial features mainly mouth and eyes for drowsiness detection.
- Implemented CNN for feature extraction and detecting eye blink and yawning frequency. Improved the existing accuracy and model accuracy with ELISH activation function.

Technical Skills

Languages: Java, C, JavaScript, Python, My-SQL

Tools & Technologies: Jenkins, Git, DevOps, Agile, Linux, Ethical Hacking

Frameworks & Libraries: Spring MVC, MERN Stack, Keras, PyTorch