

Mahesh Kumar Rana

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EDUCATION

NIT ROURKELA

B. TECH IN CHEMICAL ENGINEERING
June 2021 | CGPA: 8.59/10 | India

UPENDRANATH COLLEGE

INTERMEDIATE IN SCIENCE
March 2015 | CHSE Odisha
Percentage: 80%

S.N HIGH SCHOOL

MATRICULATION
February 2013 | BSE Odisha
Percentage: 88.33%

LINKS

LinkedIn:// [maheshraana](#)
Github:// [mr33325](#)
Kaggle:// [maheshrana](#)

SKILLS

PROGRAMMING

Primary:
Java • C • Python • Javascript • MySQL
Secondary:
C++ • C# • HTML • CSS • Matlab • MS SQL

TECHNOLOGY

• Spring Boot • JPA • Hibernate • Angular
• NodeJs • AWS • Snowflake
• TensorFlow • Matplotlib • Numpy
• Scikit • Git-hub

COURSEWORK

SELF-LEARNED

• Data Structure and Algorithm
• Machine Learning
• Deep Learning
• Cloud Computing
• Computer Architecture
• Theory of Computation
• Compiler Design
• Operating System
• Database and SQL
• Computer Networks

EXPERIENCE

HCL TECHNOLOGIES | TECHNICAL LEAD

Aug 2022 - Present | Chennai, IN

- Led efforts to fix and enhance a POC application that had broken down due to a discontinued legacy framework solution and added new features to enhance its functionality. Upgraded its UI with Bootstrap 5 for a better user experience.
- Demonstrated proficiency in a range of technical skills, including Spring Boot, JavaScript, HTML, CSS, Bootstrap 5, and Angular, enabling me to develop enterprise solutions that addressed complex business challenges.
- Has developed a dashboard for showing sensor data from a plant using Angular as the front-end and spring-boot as the backend.

TATA CONSULTANCY SERVICES | ASSISTANT SYSTEM ENGINEER

Jun 2021 – Jul 2022 | Bangalore, IN

- Worked as a MicroStrategy developer, collaborating with multiple project teams to develop business intelligence solutions.
- Played a key role in the successful implementation of several migration projects, delivering timely, high-quality results while adhering to tight deadlines and rigorous quality standards.

PROJECTS

CREDIT AND LOAN APPLICATION APPROVAL PREDICTION USING MACHINE LEARNING | DATA ANALYST INTERN

Apr 2020 – May 2020 | Edulyt India

- Analyzed the loan application data and prepared the data for developing train-test sets.
- Leveraged my understanding of machine learning to develop multiple predictive models that forecasted loan application approval with an accuracy of 98.6%.

A DEEP LEARNING TECHNIQUE FOR TRAFFIC SIGN RECOGNITION AND DETECTION | PERSONAL PROJECT

Jun 2021 – Sept 2021 | NIT Rourkela

- Worked on creating a cost-effective CNN model using Tensorflow, Keras, and OpenCV.
- Trained and tested the model with the GTSRB dataset which gave an accuracy of 95% with an optimum epoch of 30 and 0.001 learning rate.

HOME AUTOMATION SYSTEM WITH IOT AND AUTOMATIC SOLAR PANEL CONTROL | PERSONAL PROJECT

Dec 2019 – Feb 2020 | NIT Rourkela

- Designed and implemented a home automation system using IoT, which included automating home appliances and developing an automatic solar panel system with solar tracking capability, panel protection, and power management features.

POSITION OF RESPONSIBILITY

- 2019-2020: President, IICChE NITR Student Chapter
- 2018-2021: Member, Cyborg
- Dec-2018: Intra NIT Robotics competition

**TECH-CLUB
ROBOTICS CLUB
WINNER**