

Nilesh Kumar Mandal

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Tech Stack

Language : Python 3.x, Core Java, JavaScript

Frameworks : Spring Boot, Flask, Django

Databases : MySQL, MongoDB, SQLite

Cloud: AWS, Azure

Applications: GitLab, GitHub, Linux, Jira, Power BI, Postman

Academics

B. Tech in computer science and Engineering.

Alliance University, Bangalore

GPA- (3.5/4.0)

Aug 2017 - Jul 2021

Coursework:

Engineering Mathematics (Probability, Statistics, Calculus), Data Mining, Core JAVA, Scripting Languages, Big Data Analytics

Certifications

- Python Data Structures, COURSERA, **Jun 2020**
- Java Programming: Solving Problems with Software, COURSERA, **Jun 2020**
- Ethics, Technology and Engineering, COURSERA, **Jun 2020**

Activities and Presentations

- Presented an idea for helping blind people using vibration feedback on *Present Around the World (PATW)* competition hosted by *The IET*, at Local Level.
- Participated in Alliance Techno-fair 2018 and secured 2nd position for presenting Light Following solar panel model.

Work Experience

2.5 Years

Developer

Tata Consultancy Services (TCS), Bengaluru

Nov 2022 – Current

- Enhanced QA Governance procedures by automating workflow processes, including automated email notifications for non-compliance.
- Integrated Power BI for improved data visualization, utilizing workflows and APIs to generate insightful reports.
- Developed internal Jira tools for efficient data extraction, aiding management reporting and visualization.

Tech Stack: Spring Boot, Java, Flask, Python, MySQL, Jira, Linux, GitLab, Postman, Power BI

Associate Software Engineer

Envestnet Bengaluru

Aug 2021 – Nov 2022

- Collaborated with Frontend Team on different components of internal tools to Automate testing by running automation jobs and generating the report.
- Assisted organization by creating multiple APIs for migrating issue tracking to Jira.
- Created APIs for Advanced GUI Automation Service.
- Reduced team's turnaround time by a large factor through automation of manual services with APIs.

Tech Stack: Spring Boot, Java, Flask, Python, Linux, Windows Remote Service, GitLab, Postman, MySQL, MongoDB

Intern

Prashnottar, online

Jun 2021 – Aug 2022

- Created and hosted platform where students can give exam.
- Teachers can schedule exam as well as create question paper for different subjects.

Research Intern

National Institute of Technology Rourkela

Jun 2019 - Jul 2019

CLASSIFICATION OF EMOTION USING EEG SIGNALS ON DEAP DATASET

- Learned and developed Machine learning models for predicting different states of emotions by using the DEAP Dataset
- Learned how to write and analyze Research paper.

Tech Stack: Python, Pandas, Numpy, Sklearn

Projects

Sales Rewards Manager – REWARDS

Apr 2022

- Designed and deployed a Django-based Rewards Manager App to track sales by sales reps, with SMS notifications for successful transactions.

Tech Stack: AWS, Twilio API, Django, Python, MySQL

Project Management and Quality control – INSIGHT

Oct 2021- Oct 2022

- Created a Full-scale Project management application using Django for an Interior Design Company.
- The aim is to manage ongoing projects along with providing timely updates to the client on the progress.

Tech Stack: AWS (EC2, RDS), Azure, Django, Python, MySQL

Fantastic Computing Machine - FCM

Dec 2020 – Jun 2021

Final Year Project

- Developing a SaaS Platform to deploy Machine Learning Pre-Trained Models and to provide a sharable link for other users to interact with the model.

Tech Stack: AWS (EC2, RDS, S3), Flask, Python, MySQL, MongoDB, Docker