

# 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 2<sup>nd</sup> 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