

# Amol Nilkanthe

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## EDUCATION

### Master of Computer Application, 7.5 CGPA

Department of computer science, Savitribai Phule Pune University

2021 – 2023

Pune, Maharashtra

### Bachelor of Computer Science , 78.53%

college of computer science and information technology , Latur.

07/2018 – 04/2021

Latur, Maharashtra

## PROFILE

Highly motivated and enthusiastic recent graduate with a passion for work in IT field. A quick learner with a strong academic background and relevant internships. Possesses excellent communication and teamwork skills, combined with a proactive attitude. Eager to contribute fresh ideas and make a positive impact as I embark on my professional journey.

## PROFESSIONAL EXPERIENCE

### Intern at NOMURA INDIA.

01/2023 – 06/2023

Technology Stack: Python, Flask, HTML5, CSS3, ChartJS, REST API, SQL

Mumbai, India

- Developed MI Dashboard (Web Application) presenting analytics both visually and numerically.
- Application captures activities, maintains records, and visually displays key metrics like curation, endorsement, etc.
- Configured user management system to oversee user statuses and roles.
- Executed data reconciliation processes to ensure data accuracy.
- Built an automated email notification system to alert on data breaches during version upgrades or standard audits.
- Leveraged REST APIs to pull data from the backend.
- Authored complex SQL queries for specific data retrieval.
- Utilized HTML5, CSS for the frontend presentation, enhancing user interactivity.
- Utilized Jinja2 for data rendering to frontend.
- Incorporated ChartJS for a visual depiction of statistics and analytics.

## SKILLS

Python

SQL

HTML5

CSS3

JavaScript

Flask

Django

ReactJS

Git

Linux

oops concepts

## PROJECTS

### Assistant-professor Payroll System

Technologies: MongoDB, ReactJS, NodeJS

- Designed and implemented a full-stack system for managing the payroll system for assistant professors utilizing MERN (MongoDB, ExpressJS, ReactJS, and NodeJS) stack.
- Integrated MongoDB for secure data storage and retrieval of records.
- Implemented authentication and authorization logic utilizing JSON web tokens for secure user access.
- Constructed RESTful API's for seamless data CRUD operations.
- Developed easy-to-use ReactJS front-end interface for efficient data manipulation.

### Real-Time Collaborative Task Management App

Technologies : Flask, HTML, CSS (Bootstrap), JavaScript, JWT, Socket.io.

- Developed a collaborative task management platform that supports real-time updates. Implemented features include CRUD operations for task management, role-based access (Admin/Regular users), JWT-based authentication, and instant notifications upon task completion.
- Crafted responsive UI using CSS frameworks, ensuring adaptability across multiple device screen sizes.
- Integrated Socket.io for live updates, enabling seamless collaboration between users.
- Incorporated JWT (signed with RS256) for secure user authentication and role-based authorization.
- Systematically handled and tested real-time synchronization, ensuring data consistency and enhancing the user experience.
- The platform aids teams in managing tasks collaboratively, offering real-time insights into task progression and changes.

### React Frontend (Personal Project)

link - <https://zippy-paprenjak-8af991.netlify.app/>

- Cloned a professional website's homepage using React, demonstrating expertise in frontend technologies.
- Ensured responsive design for optimal user experience across devices.
- Deployed on Netlify for public access.
- **Technologies:** React, HTML5, CSS3, Netlify

## ACHIEVEMENT

- Top 10 rank on **GFG problem solving** on institutional level

## INTERESTS

Debate competitions | Reading, Music | Cricket , Travelling