

NIVYA ROSE K I

Aspiring Software Engineer | Cherthala, India
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SUMMARY

Motivated and detail-oriented Computer Science graduate with a strong foundation in Python programming and beginner-level experience in Machine Learning. Eager to contribute to real-world AI/ML projects, grow under experienced mentorship, and become a valuable team member at ClaySys.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, C++, HTML, CSS

machine Learning: Scikit-learn, Numpy, Pandas

Framework: Django

Concepts: Regression, Classification, Clustering

Database: MySQL, MSSQL, PostgreSQL, MongoDB

Web Technologies: RESTful APIs

Cloud: AWS

Tools and Platforms: Power BI, Microsoft Excel, Git, GitHub

SOFT SKILLS

- Analytical reasoning and critical thinking
- Effective communication and collaboration
- Time management and organizational skills
- Strong problem-solving ability
- Independent judgment and decision-making

EXPERIENCE

Software Analyst- L4

Claysys Technologies

June 2022 – May 2024

Kochi, India

- Developed and maintained web applications for leading US-based banks using AppForms, with a focus on form configuration, database integration, and API connectivity.
- Collaborated closely with cross-functional teams, ensuring alignment with project goals and client requirements.
- Played a key role in the MSSS project, receiving recognition for its successful implementation and performance.
- Utilized MSSQL for efficient database management and RESTful APIs for seamless communication within applications, including email and SMS notifications.
- Conducted comprehensive testing to ensure software quality, resolving critical bugs to improve performance.
- Documented technical requirements and specifications for future reference.

PERSONAL PROJECTS

Skin Care Analysis

Skincare Analysis Dashboard

July 2025

Python, Django, Sqlite, Power BI

- Built a full-stack web application to analyze skincare product reviews and visualize trends using Power BI.
- Created interactive dashboards with filters for product categories (e.g., Serum, Moisturizer), embedded into a Django website.
- Designed a clean UI with HTML/CSS and soft color themes for better user experience.
- Implemented SQLite database to manage product, ingredient, and review data models using Django ORM.
- Exported structured data to CSV for Power BI and integrated visuals as responsive dashboard images.
- Enabled dynamic selection of product category through a dropdown to update the embedded insights.

GlowScan

AI-Powered Skincare Analysis Platform

June 2025 - July 2025

Python, Django, MySQL, HTML, CSS, JS

- Built a skincare profiling web app with custom user accounts, image uploads, and personalized data entry forms.

- Designed and implemented user registration, login, and profile update features using Django's auth system and ModelForm.
- Added profile image upload functionality with live preview using JavaScript, and conditional display of existing images.
- Created custom dropdown fields for height, weight, and skin type, with dynamic form handling and validation.
- Applied clean and consistent UI styling across all forms (login, register, update profile) using custom CSS and Bootstrap.
- Set up static and media file handling, ensuring uploaded files display correctly and old image URLs are hidden from the UI.
- Used Git for version control and pushed the full project to GitHub with proper .gitignore configuration.

Rose and Elegance

E-Commerce Website for Jewelry Store

Jan 2025 – Ongoing

Python, Django, MySQL, HTML, CSS, JS

- Developed an e-commerce platform with separate modules for Admin, Sellers, and Buyers to manage inventory, users, and orders.
- Implemented secure user authentication and role-based access using Django's User and Group models.
- Created CRUD functionality for products, with image uploads using Django's FileSystemStorage.
- Integrated payment simulation and developed cart and checkout flows with session management.
- Optimized MySQL queries using Django ORM prefetching and indexing to improve data load speed by 40 percentage.

My Portfolio

Portfolio website

Feb 2025

Python, Django, HTML, JavaScript, CSS

- Designed and deployed a fully responsive personal portfolio website to highlight my technical skills, resume, and key projects.
- Implemented dynamic project listings using Django templating and integrated GitHub API to display live repositories.
- Used Django's built-in forms and URL routing to create a contact form with email notifications using SMTP.
- Optimized front-end with Bootstrap grid and media queries for cross-device compatibility.
- Deployed the site on Render with version control via Git.

EDUCATION

Manipal University Jaipur

MCA

Jaipur – India(Online)

July 2024 – Expected completion:2026

Naipunnya School of management – University of Kerala

BCA

Cherthala, India

July 2019 – Apr 2022

St.Francis Assisi HSS Arthunkal

12th

Arthunkal, India

July 2017 – Mar 2019

G V Raja Sports School Mylom

10th

Trivandrum, India

June 2016 – Mar 2017

CERTIFICATIONS

- Certificate of completion - Django Web Framework (Meta, 2025)
- Certificate of completion - Python Certified (Avodha, 2024)
- Certificate of completion - Power BI Workshop (be10x, 2024)
- Certificate of completion - Data Analytics Basic Quiz (Learntube, Feb 2024)
- Certificate of completion - Cloud Computing (Naipunnya, 2022)
- Certificate of completion - MS Office (Naipunnya, 2022)