

Neeyat Lotlikar *Software Engineer*

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Profile

Graduate student specializing in AI/ML, dedicated to building complete software solutions and applying AI for real-world impact. Focused on merging backend development expertise with innovative intelligent automation.

Professional Experience

Junior Software Engineer

Feb 2022 – Aug 2024 | Panaji, Goa, India

TrellisSoft Engineering Services Pvt. Ltd. 

As a Software Engineer, I gained hands-on experience with Python's Django Framework, crafted robust web applications, and contributed to innovation in collaborative team environments. I worked with a leading fintech innovator dedicated to fortifying financial ecosystems through their product. This experience equipped me with key skills and accomplishments relevant to both AI and backend development roles.


- Celery Integration: Leveraged Celery for efficient background task execution, enhancing application performance and user experience.
- Django Admin Customization: Customized Django Admin interface to optimize administrative workflows and improve usability.
- Library Implementation and Customization: Successfully implemented and tailored django-impersonate and django-notifications-hq libraries, delivering personalized application functionalities.
- Third-Party Integration: Managed integration of major third-party modules like Codat, adeptly adapting the codebase to accommodate API changes for seamless system interoperability.
- Scripting and Data Export: Developed Python scripts for selective data export to Excel workbooks, facilitating data analysis and reporting processes.
- Integration and Maintenance: Collaborated on HubSpot integration and ongoing code maintenance, ensuring optimal system performance.
- Unit Testing and Test Automation: Utilized pytest for comprehensive unit testing, ensuring code reliability and supporting continuous integration practices.
- Adaptability and Rapid Learning: Quickly grasped project workflows and tools, consistently delivering highquality solutions within tight deadlines.

Driven by a passion for coding excellence and a commitment to continuous improvement, I am eager to leverage my expertise to drive impactful projects and contribute to organizational success.

Education

Master of Engineering - ME in Computer Science & Engineering (AI/ML Specialization)

Sep 2024 – Present | Farmagudi, Ponda, Goa

Goa College of Engineering 

Pursuing M.E. in Computer Science Engineering (AI/ML), focusing on hands-on machine learning projects and advanced algorithms, while strengthening software engineering skills through coursework and research.

Relevant Coursework:

Speech Synthesis Pipeline: Implemented linguistic analysis, acoustic modeling, and a basic vocoder for a mini text-to-speech system as part of advanced coursework.

Coursework Explorations: Built from scratch a backpropagation neural network, gradient descent algorithm and its variants, and explored ReLU and softmax activations.

Skills

Django & Django REST Framework • Python Programming Language • Git & GitHub •

Machine Learning • Deep Learning • FastAPI • Flask • Peer Tutoring & Communication