Amogh Sumbad

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EDUCATION

NITTE MEENAKSHI INSTITUTE OF TECHNOLOGY *Bengaluru, KA*
Bachelor of Engineering in Computer Science & Engineering *2022 – 2026*

ASC PU College, Bengaluru *Bengaluru, KA*
Higher Secondary Education *2020 –2022*

PROJECTS

Invoice Processing System (Full Stack)

- Built using React and Material-UI, the system offers a user-friendly interface for managing invoices with a clean and responsive design.
- Data handling and business logic are powered by Spring Boot, while Hibernate ensures smooth interaction between the application and the database.
- Invoice records are stored in a MySQL database, enabling complete CRUD functionality for creating, viewing, updating, and deleting entries.

Developed Image Caption Generator Using Machine Learning in Python

- Built using the Hugging Face Transformers library, the model integrates Vision Transformer (ViT) for extracting visual features and GPT-2 for generating image captions in natural language.
- Image processing is handled using PIL, while PyTorch runs the model logic and manages device allocation for CPU or GPU execution.
- Captions are generated using beam search for improved accuracy, all within a Python function designed to process multiple images at once.

COURSEWORKS / SKILLS

- Proficient in: C, Java , Python , Matlab, JavaScript, Hands-on experience with: DBMS(MySQL) and DSAFamiliarity and practice on web development projects
- Knowledgeable in frameworks like AI/ML, DBMS(MySQL) , along with DSA Familiarity and practice with Agile methodologies like scrum.
- Network and Cybersecurity Fundamentals
- Familiarity with multiple OS: Windows, Linux(Ubuntu, Kali Linux)
- Proficiency in Office suites: MS Office, Google Workspace, LibreOffice Teamwork and Collaboration skills

CERTIFICATIONS [view]

- Java Foundation and Fundamentals with JavaFX from Infosys Springboard
- Database Management System Part – 1 from Infosys Springboard
- Agile scrum in practice
- Explore Machine Learning using Python – from Infosys Springboard
- CCNAv7: Introduction to Networks – Cisco Networking Academy® program
- Operating System Basics -– Cisco Networking Academy
- Programming Using Java from Infosys Springboard

EXTRA CURRICULAR

NMIT HACKS
Worked in the Social Media Team, helping plan strategies, manage posts, and keep communication clear with everyone involved. Focused on growing engagement and making sure our content reached the right audience.
NMIT DOP
 As a co-head helping the media club of NMIT cover the events and bring the content for the university.
GOONJ
 Theatre Club of NMIT , as a core writer.

ADDITIONAL

Skills: Leadership, Communication, Teamwork, Project Management, Networking, Artwork including Writing and Sketching
Languages: Fluent in English, Kannada(Native), Hindi