Devanand Yadav

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Education

- **JK Institute of Applied Physics and Technology University of Allahabad** — Prayagraj, India
  Bachelor of Technology in Computer Science and Engineering; CGPA: 8.65 — *Aug. 2019 – Present*
- **Krishna Public School** — Patna, India
  Intermediate of Science; Percent: 83.2% — *Aug. 2016 – May. 2018*

Experience

- **Pantech Solutions Pvt. Ltd** — Remote
  Machine Learning Intern — *Jan 2022 - April 2022*
  - **Responsibilities**: Developed ML algorithms for image classification, NLP, and anomaly detection using Python, scikit-learn, TensorFlow, and Keras. Collaborated on data pre-processing, model training, and result evaluation. Communicated progress and findings through reports and presentations, improving communication skills.
  - **Achievements**: Developed ML algorithms, improving skills in programming, data analysis, and interpretation. Improved communication and collaboration skills.

Projects

- **CryptoGenArt: A Blockchain-Based AI NFT Generator**: Developed an NFT generator on Ethereum blockchain using Solidity, Hardhat, Ether.js, and Hugging Face's Stable Diffusion v2 model. Demonstrated potential of AI and NFTs for creativity and value creation. Acquired skills in blockchain, smart contracts, AI models, and web development.
- **Task Manager Web application**: Developed a Django-based web app enabling users to manage tasks according to priorities, with user authentication, CRUD operations, and progress reports.
- **Django Blog Website**: Designed and developed a website for software services, using Django for the backend and HTML/CSS/JS/Bootstrap for the frontend.
- **Face Mask Detection using Deep Learning**: Optimized a CNN model to detect face masks with 99.72% accuracy and resolved the hand detection issue. Utilized Haar Cascade Algorithm for face detection and MobileNET SSD pre-trained model, and implemented libraries such as Tensorflow, Keras, Sklearn, and OpenCV2.
- **Covid-19 Detection from X-ray images using CNN**: Developed a deep learning model with 98% accuracy in detecting COVID-19 from X-ray data, using CNN and PYQT5.
- **Attendance System Using CNN**: Designed and implemented an Attendance System using Convolutional Neural Networks (CNN) and OpenCV. Achieved 90% accuracy in facial recognition for attendance tracking purposes. Utilized libraries such as Tensorflow, Keras, and OpenCV2 to develop the system.

Skills

- **Languages**: Python, Java, C, C++, SQL, Shell scripting
- **Technologies**: AWS, Azure, Django, React, Git, Github, Linux, Docker, HTML, CSS, Javascript, Php, MySQL, MongoDB, ODBC
- **Other Hard Skills**: Data Structures, Algorithms, OOPs, Software Development Life Cycle (SDLC), Computer Science Core (OS, DBMS, System Design)
- **Soft Skills**: Self-awareness, Problem-solving, Innovative, Quick Learner, Enthusiastic, Adaptability, Teamwork, Accountability, Leadership, Communication

Awards and Certifications

- **AI-900**: Microsoft AI Fundamental
- **DP-900**: Microsoft Data Fundamental
- **AZ-900**: Microsoft Azure Fundamental
- **Google IT Automation with Python**: IT Professional Certification by Google from Coursera
- **NASA's Spaceapp Challenge Oct. 2021**: This certificate is on participation of Space Debris Mapping by NASA.
- **Expertise in Docker**: This certificate is on completion of Docker Training by IIEC-Rise by Mr. Vimal Daga.

Volunteering

- **Mozilla** — Remote
  MozFest 2022 Volunteer — *Feb. 2022 – Mar. 2022*