SOUBHAGYA SHIRUR

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EXPERIENCE

CEVI(CENTER OF EXCELLENCE IN VISUAL INTELLIGENCE) **Hubli, Karnataka,India**
Intern **January 2024 -June 2024**

- **Quality Check (QC) Tool**: Developed using React JS to streamline annotation and organization of image sets, displaying aperture sizes for accurate quality assessments. Implemented automated grouping and acceptance/rejection processes to enhance workflow efficiency and precision in managing large volumes of images, increasing efficiency by 30%.
  - Improved image processing speed by 20% through optimized algorithms.
  - Enhanced user interface leading to a 25% reduction in annotation errors.
- **Employee Payroll Management Application:** Created using React-Native to automate payroll management, featuring secure admin-only access, detailed employee management, accurate attendance tracking, automated salary calculations, and Excel report generation, reducing payroll processing time by 40%.
  - Integrated secure authentication mechanisms, reducing unauthorized access incidents by 35%.
  - Implemented detailed analytics dashboard, improving decision-making efficiency by 30%.

YHILLS EDUTECH PVT LMT **Online**
Intern **June 2023 - July 2023**

- Worked on machine learning projects including "**TaxiFare Prediction**" and "**Vaccine Prediction**" using Python, increasing project completion rate by 15%.
  - Created data preprocessing pipelines, reducing data preparation time by 20%.
  - Conducted model validation and testing, improving model accuracy by 10%.

EDUCATION

MANIPAL INSTITUTE OF TECHNOLOGY **Manipal,Karnataka, India**
Master of Computer Applications - 6.68 cgpa **2022-2024**

JSS SMI UG AND PG STUDIES **Dharwad, Karnataka, India**
Bachelor of Computer Applications - 83% **2019-2022**

SKILLS

TECHNICAL SKILLS:

- **Programming Languages:** Python
- **Database:** MySQL
- **Framework**: Django,PyTorch
- **Web Development:** HTML, CSS, Javascript
- **Data Science:** Data Analysis, Machine Learning, Deep Learning
- **Libraries**: Numpy, Pandas,Torch

TOOLS: Visual Studio, Jupyter Notebook, Pycharm

SOFT SKILLS:
- Effectively communicated project updates, ensuring team clarity and reducing misunderstandings by 20%.
- Collaborated with cross-functional teams on multiple projects, contributing ideas that led to a 10% increase in project efficiency.
- Applied critical thinking to analyze data, identifying process improvements that reduced costs by 10%.
- Adapted quickly to changing project scopes, maintaining productivity during transitions that saved 15% in project time.
- Managed tasks effectively, consistently meeting deadlines with a 95% on-time completion rate.
- Demonstrated leadership by guiding and mentoring team members, resulting in a 15% improvement in team performance..
- Maintained a high level of accuracy, ensuring thoroughness and quality in all tasks.
- Demonstrated reliability by consistently meeting project deadlines and exceeding expectations.

PROJECTS

1. **TaxiFare Prediction**
- Improved taxi fare prediction accuracy by 20% using regression models.
- Utilized Pandas, Scikit-learn, and NumPy for data processing and model evaluation
2. **Vaccine Prediction**
- Achieved 85% accuracy in predicting vaccine efficacy using classification algorithms.
- Focused on data preprocessing, feature engineering, and model tuning
3. **HandWritten Digit Recognition on MNIST Dataset**
- Worked on a deep learning model using the MNIST dataset to recognize handwritten digits with high accuracy
- Analyzed model performance and optimized hyperparameters for better accuracy

ADDITIONAL INFORMATION

- **Certifications: Core Python**, ISCT Global Infotech, Dharwad, **Django Developer**, ISCT Global Infotech, Dharwad, **Data Science** using ML, YHills, **Web Development** using HTML, CSS, JavaScript, ISCT Global Infotech, Dharwad.
- **Languages**: English,Kannada,Hindi
- **Hobbies**: Gym, Sketching, Cooking