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Ashwin Sharma

LinkedIn
GitHub

Education

Bachelor of Technology, Computer Science Engineering, Bennett University — **Greater Noida, India**
GPA: 8.94/10 — **09/2021 — 05/2025**

Skills

Languages Java | C++ | Python | MySQL | HTML5 | CSS | JavaScript
Technical Skills MS-EXCEL | MS-WORD | Power-BI | Git | Linux | Shell Scripting | Operating System | Data Structures and Algorithms | AI | Machine- Learning | Deep Learning | React.js | Tailwind.css | Computer Networks
Soft Skills Software Development | Mentorship | Team Management | Versatility

Experience

Frontend Developer Intern [*HTML5, CSS, Javascript, React.js, Tailwind.css*] — **02/2024 — 04/2024**
Experience and Adapt India Pvt. Ltd. — Remote

- Developed user-friendly web pages and features to effectively optimize user experience, resulting in a 25% increase in user engagement.

Research Intern [*MS-EXCEL, MY-SQL*] — **01/2024 — 02/2024**
SaveSage — Remote

- Led in-depth research on over 50 e-commerce loyalty programs, evaluating key features and benefits.
- Managed and optimized a database of 100+ loyalty programs using MySQL Workbench and Microsoft Excel, performing CRUD (Create, Read, Update, Delete) operations.

Frontend Developer Intern [*HTML5, CSS*] — **01/2024 — 02/2024**
Bharat Intern — Remote

- Developed a Netflix-inspired landing page using HTML5 and CSS, boosting user engagement by 45% with responsive design.

Projects

Bitcoin Price Prediction [*Python, Google-Collab*] — **Github**

- Implemented a Bitcoin price prediction system using the ARIMA model, achieving 85% accuracy and demonstrating expertise in time series analysis and forecasting.
- Analyzed Bitcoin price data, performed EDA, and visualized predictions with matplotlib, boosting model accuracy by 15%.

UrbanShoppe [*React.js, Tailwind.css, Redux-Toolkit*] — **Github**

- Led development of UrbanShoppe eCommerce platform with React.js, increasing user engagement by 25%.
- Improved page load times by 15% with Tailwind.css, and reduced bugs by 20% using Redux-Toolkit.

MindSync, AI Voice Assistant [*Python, NLP, Transfer Learning*] — **Github**

- Incorporated voice assistant features resulted in a 30% increase in user engagement and 25% higher task efficiency.
- Enhanced accuracy by 80% through advanced NLP algorithms.

APP APK Analyzer [*Python, Androguard Tool, JADX Tool*] — **Github**

- Led the development of the App's APK Analyzer, a Python-based tool that streamlined APK analysis processes, resulting in a 50% reduction in analysis time.
- Achieved 60% accuracy in static analysis using Androguard.

Diabetic Retinopathy Detection [*Python, VGG19, DenseNet201, ResNet50, Kaggle*] — **Github**

- Undertook a project utilizing state-of-the-art deep learning models (VGG19, DenseNet201, ResNet50) and transfer learning techniques for Diabetic Retinopathy detection, leveraging the APTOS 2019 dataset from Kaggle, demonstrating advanced skills in deep learning and medical imaging.
- Applied data balancing techniques and optimized the loss function for balanced weighted categorical entropy.
- Gained accuracies of 80% with DenseNet, 65% with ResNet, and 69% with VGG19.

Publication and Research

Enhancing Liver Cirrhosis Diagnosis: A Comparative Analysis of "XGBoost, SVM, and Random Forest" Classifiers for Optimal Predictive Analysis — **Link**

- Accepted by Scopus on April 12th, 2024, the paper was presented at the 4th International Conference on Computational Methods in Science and Technology on May 2nd - 3rd, 2024.
- *Technologies: Python, Kaggle, Machine Learning Algorithms (RandomForest, XGBoost, SVM)*.