BHAVYA SINGH

Aspiring Software Engineer | Machine Learning Enthusiast | Web Development

📞 8837412408   @ bhavyacreates11@gmail.com   🔗 www.linkedin.com/in/11-bhavya-singh

📍 Bihar,India

SUMMARY

Aspiring Software Engineer and Machine Learning Enthusiast with experience in developing ML algorithms, designing web solutions, and contributing to research projects. Achievements include reducing processing time by 30%, earning a Supervised Machine Learning Certification, and obtaining Google Cloud Badges. Seeking a position to leverage my skills in software engineering and machine learning to drive innovation at a forward-thinking company.

EXPERIENCE

Software Engineering Intern

Times Of India

📅 06/2024 - 06/2024   📍 Delhi, India

- Developed and implemented machine learning algorithms, streamlining editorial workflows and reducing processing time by 30%, enhancing productivity and efficiency for editors and journalists.
- Designed and developed a gamified webpage solution, enhancing user experience and boosting social media engagement.
- Leveraged machine learning and Open AI API to develop a model for automate pre-write generation for repetitive news articles, freeing up journalists time .
- Utilised machine learning and Open-CV image processing to develop a model replicating AJIT NINAN's cartoon style, preserving his legacy and sentiments, and perpetuating his artistic identity for generations to come.
- Developed a machine learning model utilizing Open-AI API to generate a daily news prioritisation template, automating headline ranking and categorization, and enhancing editorial decision-making efficiency.

Research Intern

Indian Institute of Technology Guwahati

📅 07/2024 - 08/2024   📍 Assam,India

- Ongoing internship at North-East Renewable Energy Research Lab, contributing to the completion of "Cloud-based Solar Inspection and Analysis System" project, showcasing technical expertise and innovative mindset.
- Implemented fault detection and performance prediction models to develop a machine learning model that delivers 85% accuracy.
- Designed and fabricated the "Cloud-based Solar Inspection and Analysis System", demonstrating exceptional problem-solving skills and proficiency in cloud-based technologies, resulting in significant project success.

Research Intern

Indian Institute of Technology Patna

📅 01/2024 - 02/2024   📍 Bihar,India

- Studied IEEE journal papers on UAV-as-a-Service, UAV Virtualization, and FOG Computing, gaining expertise in cutting edge UAV technologies.
- Applied knowledge from research papers to develop innovative solutions for Trust Management on Unmanned Aerial Vehicles, enhancing security and reliability in UAV operations and develop a machine learning model with 80% accuracy.
- Contributed to a research paper (pending publication) on Trust Management in UAVs, demonstrating expertise in UAV technology and research.

EDUCATION

Bachelor of Technology in Computer Science Engineering

National Institute of Technology Arunachal Pradesh

📅 11/2022 - Present   📍 Arunachal Pradesh,India

CGPA
8.45 / 10

AISSCE (10+2)

Kendriya Vidyalaya No 1, Itanagar

📅 04/2020 - 06/2021   📍 Arunachal Pradesh, India

Percentage
86.7 / 100

PROJECTS

Stock Market Analysis And Prediction Using Python

Used XGBoost regressor to forecast market performance after computing technical indicators from 10 years of S&P BSE Sensex data. Demonstrated skills in data analysis, machine learning forecasting, and technical indicator computation using OHLC values to predict trends. Highlighted expertise in financial analysis and predictive modeling by using data insights for informed investment decisions..

Wine Quality Prediction Using Machine Learning Algorithms

Developed a method to classify wine quality into 'good', 'average', or 'poor' categories based on characteristics such as pH and alcohol content. Predicted quality ratings with values below 6 as 'poor', exactly 6 as 'average', and above 6 as 'good', showcasing skills in data analysis and classification.

ACHIEVEMENTS

⭐ **Attendee at National Conference on NEP**
Attended and managed the conference held on National Education Policy at NERIST, got involved in the discussion and raised query as well

🧠 **Supervised Machine Learning Certificate**
Earned a Supervised Machine Learning Regression and Classification Certificate, reflecting deep competence in complex data environments and predictive modeling.

🖥️ **Streamlined Editorial Workflows**
Reduced processing time by 30% using ML algorithms

</> **Obtained Google Cloud Badges**
Participated in ARCADE games and other QWICK-LAB paths and obtained several badges

SKILLS

Machine Learning	HTML	CSS
Javascript	React.js	SQL/MySQL
Java/C++	Data Visualization	
Git/GitHub	DSA in JAVA	OOPS in DSA

LANGUAGES

English
Native   ●●●●●

German
Beginner   ●●○○○