Deeksha Pandey

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Education

- **Vellore Institute of Technology, Vellore (Sept 2021 - present)**
  Bachelor's in Computer Science and Engineering with Business Systems: ***CGPA - 9.08/10.0***
  Courses : Principles of Operating Systems, Data Structures and Algorithms, Computer Networks, Database Systems, Object Oriented Programming, Software Engineering Methodologies, Artificial Intelligence, Cryptology and Analysis, Data science and statistical modeling, Probability and statistics, Computational statistics
- **JPV DAV Public School, Katni - CBSE (2020-21)**
  Class XII (PCM) : *93.6 percent*
- **JPV DAV Public School, Katni - CBSE (2018-19)**
  Class X : *93.2 percent*

Skill Summary

- **Technical Skills :** Java, C++, Python, HTML, CSS, JavaScript, R, MATLAB, SQL, Microsoft Power BI, Tableau
- **Tools :** Figma, MS Office, GitHub, Visual Studio Code, Jupyter Notebook, Google Colab
- **Frameworks and Library :** Bootstrap, React JS, Material UI, scikit-learn, OpenCV, Pandas, NumPy, Matplotlib, Seaborn
- **Soft skills :** Leadership, Problem solving, Teamwork, Communication skills, Deadline-Driven

Experience

IT Intern @ Birla White Unit - Ultratech Cement, Katni Aug 2023 - Sept 2023

- Collaborated with the team to analyze and visualize various data, including production data, sales and distribution, energy consumption, and environmental monitoring.

UI/UX Designer Intern - Remote @ Infobyte Technologies Aug 2023 - Oct 2023

- Crafted intuitive user interfaces and designed themes for a stock trading application, enhancing user engagement and experience.

Campus Ambassador - Remote @ Hopnob Enterprises Pvt. Ltd. Feb 2023 - March 2023

- Successfully promoted and represented Hopnob Enterprises Pvt. Ltd. on campus.

Projects

Flight Delay Prediction (Personal Project) - *GitHub Link*

- Used Python and key libraries like Pandas, NumPy, Matplotlib, Seaborn, and scikit-learn to predict flight delays. Optimized the model performance through robust GradientBoostingRegressor modeling, aiming to enhance the precision of flight delay predictions.

Cryptocurrency Prediction - *GitHub Link*

- Developed a deep learning model to analyze and predict future trends in cryptocurrencies using Recurrent Neural Networks (RNN) and Long Short-Term Memory (LSTM) networks.

ExpensiFY : Expense Tracker Web App (Personal Project) - *GitHub Link*

- Using React.js, Firebase, and Google OAuth built an expense tracker that allows for safe login and real-time tracking while also providing a responsive, user-friendly interface with HTML, CSS, and JavaScript.

Calorie Burnt Prediction (Personal Project) - *GitHub Link*

- Developed a machine learning model using libraries like Sklearn, Seaborn, Pandas, and Numpy to predict calories burnt down during physical activities using Python and XGBoost Regressor.

Achievements

- Pratibha Scholarship by Aditya Birla Group (2022). - ***Link***
- 2nd runner up at Ideathon organized by IETE - ISF.
- Received Letter of Recommendation from VIT University's Assistant Professor in Mathematics and Advanced Sciences department, validating academic and professional competence.

Certifications

- AWS Cloud Practitioner - ***Link***
- The Data Science Course: Complete Data Science Bootcamp - ***Link***
- MATLAB virtual Internship Program by MathWorks - ***Link***
- Machine Learning by Simplilearn- ***Link***

Volunteer Experience

- **Core Committee member at IETE - ISF :** Volunteered at "Pixel Dimension" for graVITas 22, one of the biggest technical fests of India.
- **Core Committee member at IEEE SPS :** Member of design team designed compelling stories, posters, logos, and themes.