SONIKA R

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ACADEMIC DETAILS

B Tech (AI & ML Engineering)	2020-2024	BIT, Bangalore	7.3/10.0
Class XII (State Board)	2020	SBGNS Science PU College	88.0%
Class X (ICSE)	2018	BGS World School	83.67%

Coursework

- Advanced AI, Machine Learning, Data Structures, Operating system, DBMS, Digital Image processing.
- Infosys Springboard: Introduction to AI, Introduction to Data Science, Introduction to Deep Learning, Python Fundamentals, ML with tensor-flow, ML with Sci-kit Learn.
- Great Learning: Entrepreneurship Management.
- LinkedIn Learning: Advanced Java Programming.
- Udemy: Blockchain A-Z: Build a Blockchain, a Crypto and ChatGPT.

INTERNSHIP/EXPERIENCE

ML Intern   **Prinston Smart Engineers**   *Aug 2023 – Sept 2023*

Trained in ML classification and regression algorithms, analyzed COVID-19 data, and performed data preprocessing, feature selection, and model training using Python, scikit-learn, and TensorFlow.

ML Intern   **Patenti Technology Solutions Pvt. Ltd.**   *Dec 2023 – Jan 2024*

Worked on "Text Extraction and Summarization for Legal Data" using Python and NLP, improving information retrieval efficiency and maintaining the Technical Design document for project architecture.

Data Science Intern   **Aiqwip**   *March 2024-May 2024*

Managed generative AI projects utilizing OpenAI's assistant and chat technologies, developing and fine-tuning AI models for enhanced conversational accuracy and relevance.

PROJECTS

Machine Learning Project: COVID-19 Analysis   *Sept 2023*

Conducted meticulous data preprocessing, strategically selected relevant features, and developed robust classification and regression models. Utilized Python along with industry-standard libraries such as scikit-learn and TensorFlow to implement and fine-tune these models.

Flipkart Review Sentiment Analysis   *Nov 2023*

Using Natural language processing (NLP) techniques and employing Python, NLTK, and scikit-learn for text preprocessing, feature extraction, and model training developed a machine learning model to classify reviews into positive, negative, or neutral sentiments.

Resume Builder Website   *Feb 2024*

Using a convolutional neural network and OpenCV, developed features for image analysis and real-time webcam detection, demonstrating practical application of models for accurate digit identification.

SKILLS

- **Languages:** C, C++, Java, Python (Proficient), SQL.
- **Data Science and ML:** Standard ML algorithms - regression, clustering, classification, Exploratory data Analysis tools (scaling, labelling, encoding, splitting, feature extraction and training models), use of Open AI Assistants.
- **Data Analysis:** NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn.
- **Computer Vision:** OpenCV.
- **Frontend:** HTML, CSS, JavaScript(basics).
- **Database:** MySQL.
- **Developer Tools:** VS Code, Jupyter NoteBook, MATLAB.
- **Soft Skills:** Leadership qualities, Hardworking, Consistent, Teamwork, can handle stress well, Problem Solving, Creative, Conflict Resolution, Efficient Communication, Adaptability, Decision making, Patient and Active listener.

WORKSHOPS AND HACKATHONS

- **Workshop on Machine Learning** using Python conducted by Princeton Smart Engineers.
- Attended **Training on Data Analytics** at Internship Studio.
- **Certification of completion of Training and Internship** (in Data Analytics) from Internship Studio.
- **Smart India Hackathon** 2023.
- **Flipkart GRiD 5.0** - Software Development Track Hackathon.
- **i.mobilothon 3.0** organized by Volkswagen Group Technology Solutions India
- **HackOn** With Amazon - Season 3 2023.
- **Tally CodeBrewers** 2023 organized by Tally Solutions.

ACHIEVEMENTS

- Represented College at VTU Zonal Level and State Level Chess Tournament and won 4th place (2022).
- Successfully organized "Obstacle Course" event during College's major fest "Manthan" as an event coordinator of college's techno-cultural club "Node.ai" and received a Certificate of Appreciation for exemplary work.
- Actively participated in organizing and promoting blood donation drives to contribute to the community.
- Completed 15+ courses on Udemy, great learning, LinkedIn, Infosys Springboard and Google Cloud Skills Boost platforms combined.