

AAYUSH DWIVEDI

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Experienced full-stack developer and data scientist with a proven track record of creating innovative solutions that bridge the gap between complex technical requirements and business objectives. Proficient in a wide range of programming languages, frameworks, and data analysis tools.

PROFESSIONAL EXPERIENCE

Persist Ventures, CA(Remote) 2023(April) – Present

Full Stack AI Developer (AI Team)

- Spearheaded AI-driven full-stack development projects at Persist Ventures for 6 months, resulting in enhanced user experiences and streamlined processes.
- Leveraged diverse programming languages and frameworks to design, implement, and optimize applications, showcasing adaptability and technical prowess.
- Collaborated cross-functionally to integrate data science techniques, contributing to data-driven decision-making and fostering innovation within the organization.

Spenza, Bengaluru 2022(Nov) – 2023(April)

Data Scientist(Contract)

- Contracted as a skilled Data Scientist at Spenza for 6 months, applying advanced analytical techniques to extract valuable insights from complex datasets.
- Utilized statistical analysis and machine learning algorithms to develop predictive models, aiding in data-driven business strategies and decision-making.
- Collaborated effectively with interdisciplinary teams, communicating technical findings in a clear and concise manner, fostering a data-informed work environment.

Mirror Score, New Delhi Jan-June(2022)

Junior Developer(Internship)

- Completed a dynamic 6-month internship as a Junior Developer at Mirror Score, contributing to coding, debugging, and testing activities, while gaining hands-on experience in software development practices.
- Collaborated closely with senior developers to enhance the functionality and user interface of applications, demonstrating a proactive and team-oriented approach.
- Quickly adapted to new technologies and coding languages, showcasing a strong aptitude for learning and a dedication to professional growth within a fast-paced development environment.

EDUCATION

- **Indian Institute of Petroleum and Energy**
- B.Tech in Chemical Engineering Nov 2020 - Present, **Visakhapatnam**
- **Indian Institute of Technology, Madras**
- B.S in Data Science Jan 2021 - Present, **Madras(Remote Learning)**

SKILLS & OTHER

Python, JavaScript, SQL, Pandas, NumPy, Data Visualization (Matplotlib, Seaborn), Exploratory Data Analysis (EDA), Scikit-Learn, TensorFlow, Keras, HTML, CSS, React, Node.js, Django, Flask, Express.js, MySQL, MongoDB, Git, GitHub, RESTful APIs, AWS, Azure, Heroku, Algorithmic thinking, Debugging, Cross-functional teamwork, Communication, Data cleaning, Hypothesis testing, Regression analysis, Scope definition, Milestone tracking, User-centered design, Wireframing, Unit testing, Integration testing.

PROJECTS

Web Application (Diskuss)

- Developed a full-stack Ed-Tech web application for socializing and studying with fellow students.
- Utilized Django framework and Postgresql database for seamless functionality.

Web Application (Fest)

- Created a full-stack Tech Fest web application for our college's techno-cult fest.
- Implemented Django framework and Postgresql database for efficient event management.

Pehchaan (AI Software)

- Engineered speech and voice recognition security software with simultaneous functionality.
- Employed Python and Machine Learning models (CNN and LSTM) to enhance security.

AI and ML Applications in Energy Systems

- Engaged in a project employing Logical Regression and Perceptron modeling.
- Aiming to predict values for biofuel production to enhance energy systems.

Battery Management Systems

- Designing an application to efficiently manage Lithium-ion batteries for Electric Vehicles and Energy Storage Systems.
- Focused on optimizing power utilization and storage.

Stock Bot

- Constructed a Stock Price prediction alert system integrated with messaging.
- Responsive to live stock prices, providing insights for traders.

GUI Apps

- Developed user-friendly applications including Phone Tracker, Chatbot, Video Chat, Calendar, Tic Tac Toe (in Turtle), and CCTV.

APIs

- Produced APIs for diverse e-commerce, social media, and AI-based startups.
- Weather Forecast, Currency Exchange Rate, and Location-Based Service APIs

Urine Strip Recognition

- Designed an app utilizing OpenCV for RGB value retrieval from urine strip images.
- Potential benefits in diagnostic labs for efficient analysis.

Hand Gesture Recognition

- Innovated an application using Machine Learning and OpenCV to recognize hand gestures.
- Integrated with web links for diverse gestures, with future potential for aiding visually impaired individuals.