

# Advik Vijay

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in Advik Vijay

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## Education

### Vellore Institute of Technology

Bachelor of Technology in Electrical and Electronics Engineering, CGPA: 8.93

Vellore, India

September 2022 – Present

## Experience

### Technoloader

Web Developer

Jaipur, Rajasthan

June 2024 – July 2024

- Contributed to the creation of an AI bot aimed at reducing workforce needs.
- Collaborated with senior developers to integrate new features.
- Learned new AI technologies, including advanced Python, through hands-on projects and coursework.

### NullClass

Data Engineer

Virtual

January 2024 – March 2024

- Developed and deployed machine learning models for predictive analytics.
- Analyzed large datasets to extract meaningful insights and trends.
- Collaborated with a team to enhance data preprocessing techniques.

### Mentoriness

ML Engineer

Virtual

January 2024 – February 2024

- Implemented machine learning algorithms to improve product recommendation systems, increasing user engagement by 12%.
- Developed a customer segmentation model using unsupervised learning.

## Projects

### Emotion Detection Project

March 2024 – May 2024

- Developed a machine learning model to detect emotions from facial expressions.
- Utilized Python and various ML libraries to train and test the model.
- Achieved a high accuracy rate and deployed the model for real-time emotion detection.

### Credit Card Approval Project

May 2024 – June 2024

- Created a predictive model to determine credit card approval.
- Used logistic regression and data preprocessing techniques.
- Improved model accuracy and integrated it with a user-friendly interface.

### Time Series Forecasting Project

February 2024 – March 2024

- Used machine learning and statistical methods to forecast future values based on past time-series data.
- Implemented models and data processing using Python/R with libraries like statsmodels, scikit-learn, and TensorFlow/Keras for statistical analysis and machine learning.

## Certifications and Achievements

- **Data Science Certifications:** IBM (Data Science, Python for Data Science, SQL)
- **Generative AI:** AWS (Udacity)
- **Machine Learning:** SAS (End-to-End Practice)
- **Artificial Intelligence Fundamentals:** Cognizant, IBM
- **Analytics:** Google Analytics Certification
- **Finalist in DEVSOC'24 hackathon by CodeChef VIT**
- **Finalist in Code4Change hackathon by CSED VIT**

## Extracurricular Activities

### IEEE Power Electronics Society

Board Member, Co-Secretary (2023-24), Chairperson (2024-25)

VIT, Vellore, India

2023 – Present

- Led as the Co-Secretary for a college events club during the academic year 2023-24, overseeing coordination, event management, and strategic planning.
- Elevated to Chairperson for the academic year 2024-25, leading the society's initiatives and operations.

## Technical Skills

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**Languages:** Python, MySQL, Java, HTML, CSS, ReactJS

**Technologies:** Pandas, NumPy, Snowflake, MS Excel, Tableau, Power BI, AWS-SageMaker, Apache Spark, Databricks

**Tools:** Git, GitHub, AWS, Postman, VS Code, Jupyter Notebook, PyCharm

**Machine Learning Libraries:** TensorFlow, Keras, scikit-learn, statsmodels, PyTorch

**Other:** Microsoft Office, Data Analysis, Data Visualization, Model Deployment