Kumar Raj Bogireddy

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https://github.com/Kumarrajbogireddy29

Summary

Enthusiastic B.Tech student specializing in Artificial Intelligence and Machine Learning with hands-on experience in **Python, Machine Learning projects, and web development using Django.**Skilled in problem-solving, database management, and building AI-driven applications. Actively applying knowledge through projects, internships, and open-source contributions, with a strong interest in software development and AI innovation.

Technical Skills

- **CS Core:** Operating Systems, DBMS, OOPS, Computer Networks
- **Programming Languages:** C , Java , Python
- **Front-End Tools:** HTML, CSS ,JavaScript ,React.JS
- **Databases:** MySQL ,MongoDB
- **Developer Tools:** Git, GitHub, VS Code, Jupyter, Google Colab

Education

Aditya University, AIML in Computer Science — Sep 2022 - Present
- GPA: 7.81

Narayana Junior College, MPC — 2020 - 2022
- 89.1%

Narayana E-Techno School — 2020
- 98 %

Experience

Machine Learning Intern — May 2024 - June 2024
- Built a sentiment analysis model to classify and predict sentiment in user reviews using NLP techniques and ML algorithms.
- Data collection via web scraping and stored results in a MySQL database.
- Hands-on experience in Python, Pandas, NumPy, and Scikit-learn.
- Enhanced accuracy by optimizing model parameters and handling large datasets.

Web Development Intern — May 2025 – Jul 2025
- Developed dynamic web applications using Django, integrating backend logic with responsive frontend.
- Worked with relational databases to manage user data securely.
- Applied authentication, APIs, and CRUD operations to deliver scalable solutions.

Core Member – Google Developer Group (GDG) — Feb 2024 - May 2025
- Organized workshops and events on emerging technologies like AI/ML and Cloud.
- Collaborated with peers to drive community learning and developer engagement.
- Hands-on experience in Python, Pandas, NumPy, and Scikit-learn. communication, leadership, and teamwork skills while mentoring participants by 40%.

Projects

Sentiment Analysis on User Reviews
- Accurately classified customer reviews as measured by high accuracy of the model and F1 score by preprocessing data, applying NLP techniques, training ML models, and integrating the results with MySQL.

- Applied classification and regression algorithms to analyze datasets, optimize hyperparameters, and improve model performance.
- Accomplished accurate classification of customer reviews as measured by high model accuracy and F1-score by preprocessing data, applying NLP techniques, training ML models, and integrating results with MySQL.
- Tech Stack: Python, NLP (NLTK, SpaCy), Scikit-learn, Pandas, NumPy, Matplotlib, MySQL, BeautifulSoup.

Resume Builder Web Application
- Developed a Resume Builder web application using Django as the backend framework.
- Enabled users to input personal, educational, and professional details and generate resumes in PDF format.
- Tech Stack: Django, Python, HTML, CSS, JavaScript, SQLite/MySQL
- Accomplished development of a personal growth tracking web app as measured by seamless streak tracking and automated email reminders by building the backend in Django, designing the frontend, and integrating API-based reminders.

Certifications & Achievements

- **Google Developer Group (GDG)** – Event Participation Certificate
- **Python Essentials** – CISCO
- **HTML & CSS** – Certiport
- **Python Basics** – Certiport
- **ML to GenAI** – IBM SkillsBuild
- **E-litmus exam** – Got on an overall 90.2 percentile in E-litmus Exam
- **JLPT (N5)** – Certified by The Japan Foundation
- **2nd Prize** – MINDFEST (Literary Cultural Club, SAC)
- **GDG ACET** – Worked as Designer in Google Developers Group on Campus ACET