Prateek

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# Objective

Computer Science and Engineering graduate with hands-on experience in AI/ML, Python, and cloud infrastructure. Developed machine learning models to solve real-world problems, focusing on AWS tools and services. Seeking opportunities to apply technical skills and drive innovation in AI-driven solutions.

# Education

**Bachelor of Technology (BTech) in Computer Science and Engineering** *Jun ’20 - May ’24 CMR Engineering College, Hyderabad, Telangana, India* CGPA: 7.8

**Intermediate (MPC)** *Mar ’18 - Jan ’20*

*Vignan Junior College, Hyderabad, Telangana, India* Grade: 8.2

**High School** *Jan ’17 - Jan ’18*

*MGM Senior Secondary School, Bhilai, Chhattisgarh, India* Grade: 6.8

# Skills

* **Programming :** Python, PHP (Laravel Framework),Linux, HTML/CSS, Java-Script, MySQL, .NET(C Sharp and ASP.NET)
* **Cloud Infrastructure & DevOps:** AWS (EC2, S3, Lambda, RDS, VPC), Infrastructure as Code (IaC), Continuous Integration/Continuous Deployment (CI/CD), Docker, Containers.
* **Machine Learning :** TensorFlow, Scikit-Learn
* **Data Visualization:** Microsoft Power BI, Tableau

# Work Experience

## Machine Learning Intern [(View Certificate)](https://drive.google.com/file/d/1lpl7qu8vXHU5ZhtlugYEIDTeVWzEr72B/view?usp=drive_link)

*AICTE Internship Program, Hyderabad, India* May 2023 - July 2023

* Developed and deployed highly accurate machine learning models (Linear Regression and Neural Networks) to achieve an 85% improvement in accuracy.
* Successfully applied machine learning techniques to address real-world problems in optimization.
* Gained hands-on experience with cloud-based AI solutions using AWS tools such as Amazon SageMaker, enhancing the scalability and efficiency of AI applications.

# Project

## Machine Learning Engineer Intern [(View Code)](https://github.com/Prateek2134/Rice-Plant-Disease-Detection-and-Pesticides-Recommendation)

*Plant Disease Detection and Remedies - Recommendation for Rice Crop* Jan 2024 - Apr 2024

* Developed a graphical user interface (GUI) using .NET for easy interaction, enabling users to upload rice plant images for disease detection.
* Curated and preprocessed large datasets to optimize model accuracy, leading to better detection of rice plant diseases.
* Built a user-friendly interface for farmers to easily identify plant diseases and get treatment recommendations.
* Technologies used : TensorFlow, Keras, Pandas, NumPy.

## AI/ML Engineer Intern, Data Analyst Intern

*Smart India Hackathon (SIH) 2022, KLE University, Hubli* May 2022 - Aug 2022

* Utilized .NET to create a user-friendly interface, enabling accessible interaction for students with disabilities, making the learning experience more intuitive and inclusive.
* Collaborated on data analysis and strategy to create accessible and inclusive online education solutions.
* Provided actionable insights to enhance the online education experience for specially-abled children.

# Achievements

* **Published research paper** in The Journal of Technology Hyderabad, India **[(View Certificate)](https://drive.google.com/file/d/1Vg6YZCg5bPH0n_bTX3lz3UYma1xUx7Zx/view?usp=drive_link)**

## Smart India Hackathon 2022 Finalist Hubli, India [(View Certificate)](https://drive.google.com/file/d/1Lf2mlbTar6czDUKS1fDIk5CxzeHOCwJV/view?usp=drive_link)

* **Completed** Career Essentials in Generative AI course on LinkedIn Learning. **[(View Certificate)](https://drive.google.com/file/d/1m0sBSsjzLgiM42GEffLXSMwHKVEdI2_I/view?usp=drive_link)**
* **Completing the course** AWS Certified Cloud Practitioner **[(View Certificate)](https://drive.google.com/file/d/1tAJyf498o0gy2thRt-E7AWxg5tg8Wchi/view?usp=drive_link)**
* **Certificate of completion** Power BI Data Modelling Basics Tutorial Course **[(View Certificate)](https://drive.google.com/file/d/1NeiF42yoE9kiTxC--ovrtuW6DpEuXwt3/view?usp=drive_link)**

# Hobbies and Interests

* **Sports and Games :** Passionate about cricket, football, and carrom, fostering teamwork and strategy.
* **Reading Novels :** Enjoy exploring fiction and non-fiction literature, enhancing creativity and perspective.
* **Traveling :** Exploring new cultures and gaining global perspectives on innovation.
* **Watching Cartoons:** Appreciating animation and storytelling through various cartoon shows.