

PRANAV PRATHEEK MALLEBOYINA

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SUMMARY

Machine Learning Engineer with a strong background in backend development and cloud-based solutions. Brings extensive experience in Python, SQL, and agile methods, supported by advanced studies in machine learning and deep learning. Skilled at transforming advanced models into scalable, production-ready systems while collaborating with cross-functional teams to drive business impact.

TECHNICAL SKILLS

- **Languages:** Python (Numpy, Pandas, Scipy, Matplotlib), Java, VB.NET, C#
- **Web Technologies:** REST and SOAP APIs, HTML, CSS, jQuery, SpringBoot, Hibernate, Flask
- **Databases:** SQL, MySQL, MongoDB
- **Developer Tools:** Linux, Git, VS Code, Eclipse
- **Methodologies:** Test-Driven Development

WORK EXPERIENCE

Sunera Technologies | Backend Developer

Jan 2021 - Oct 2022

- Engineered backend solutions using Spring Boot to implement Change Requests and resolve defects for the Tracfone Wireless Inc. client, ensuring robust support for activations, redemptions, upgrades, and porting operations.
- Enhanced Redemption and Password Encryption functionalities, achieving a 60% improvement in operational efficiencies.
- Utilized object-oriented programming in Java and integrated unit testing with Junit to maintain high code quality, while leveraging MySQL for data management.

Tata Consultancy Services | Assistant System Engineer

Sep 2017 - Nov 2020

- Collaborated on both front-end and back-end development for IKEA's product text labeling enhancements, applying agile methodologies and ensuring timely delivery within 2-week sprint cycles.
- Developed and refined Agile user stories and systematically resolved defects to meet project deadlines.
- Led a support team of 2 members in defect resolution initiatives, contributing to a 70% increase in customer satisfaction.
- Applied Test-Driven Development practices and utilized SQL Developer for effective database management, ensuring quality and reliable software performance.

EDUCATION

Texas A&M University, Corpus Christi

Aug 2023 - Jun 2025

Master of Science, Computer Science

- **Coursework:** Deep Learning, Advanced Computer Architecture, Advanced Operating Systems, Design and Analysis of Algorithms, Human Computer Interaction, Machine Learning, Artificial Intelligence, Wireless Sensor Networks, Computer Vision

Gokaraju Rangaraju Institute of Engineering and Technology

Sep 2013 - Jul 2017

Bachelor of Technology, Information Technology

- **Coursework:** Data Structures, Object-Oriented Programming with JAVA, Mathematical Computations of Computer Science, Operating Systems, Database Management Systems

PROJECTS

Movie Recommendation System Using Artificial Intelligence Techniques | Python Flask, HTML, Bootstrap

- Developed an application which suggests top-rated movies related to a user's choice of genre by using artificial intelligence models.

Advertisement Maker using Machine Learning | Python, Google Colab

- Developed an advertisement maker using a machine learning techniques which predicts us an advertisement using keywords and emotions.

Rain Prediction Using Deep Learning | Python, Matlab

- Developed a rain prediction model using deep learning techniques which predicts rainfall depending on the area's weather and geographical conditions.

Interactive Quiz System | Python Flask, MongoDB, HTML

- Developed an application which gives us a quiz-based system for multiple users. It involves distributed system concepts such as redundancy, fault tolerance, security, and decentralization.

CERTIFICATIONS

• **Istio Fundamentals:** Issued Jan. 2021

• **OCAJP Java Certification:** Issued Dec. 2020

AWARDS

- **Rookie of the Month** | Received "Rookie of the Month" award in October 2021 in Sunera Technologies for outstanding delivery.
- **2nd prize in Computer Security paper presentation** | Received 2nd prize in Computer Security paper presentation in 2019 held between the employees at TCS Chennai.