

G M AKASH RAJ

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OBJECTIVE

Motivated and detail-oriented Computer Science graduate with hands-on experience in Full Stack Web Development, Python Programming, and AI-based projects. Proficient in Java, SQL, HTML, CSS, and Data Structures with a strong problem-solving mindset. Seeking an entry-level software development role to apply technical skills, contribute to innovative projects, and grow within a dynamic organization

EDUCATION

BACHELOR OF TECHNOLOGY(CSE), Bheema Institute of Technology and Science, Adoni **2021 - 2025**
Percentage: 73.67% AP, India

INTERMEDIATE(MPC), Narayanal Jr College, Hyderabad **2019 - 2021**
Percentage: 84% AP, India

SECONDARY SCHOOL CERTIFICATE, St Joseph's Convent EM High School, Adoni **2018 - 2019**
Percentage: 88% AP, India

SKILLS

Programming Languages	: Python, Java.
Web Technologies	: HTML, CSS, SQL.
Academic Coursework	: Data Structures, Operating Systems , Computer Networks, ML and AI.
Development Tools Frameworks	: Git, VS Code, Spyder, Eclipse, Jupyter Notebook, MySQL.
Languages Known	: English , Hindi ,Telugu, Kannada.

INTERNSHIP

1Stop.ai | Data Science Intern | Apr 2023 – July 2025

- Successfully completed a full-time internship focused on Data Science at 1Stop.ai, gaining hands-on experience in data analysis, machine learning, and model building.
- Worked on real-world datasets using Python, Pandas, NumPy, Matplotlib, Scikit-learn, and other key libraries.
- Built and evaluated ML models for classification, regression, and clustering tasks, improving data-driven decision-making skills.

MSR EDUSOFT PRIVATE LIMITED | Real Time Python Programming | May 2024 - Jul 2024

- Successfully completed an internship in Real-Time Python Development, demonstrating practical skills and knowledge in Python programming.
- Gained valuable industry experience through an internship with MSR Edusoft Private Limited, a leading provider of educational services.
- Applied theoretical knowledge to real-world projects, enhancing problem-solving and critical thinking abilities through hands-on Python development experience.

PROJECTS

Pothole Detection through Image and Video Segmentation using YOLOv8 Model with Deep Learning for Road Safety and Maintenance| Jan 2025 - Apr 2025

- Developed an AI-based system to automate pothole detection for road safety and maintenance using real-time image and video segmentation.
- Technologies : Python, Streamlit, OpenCV, YOLOv8, Roboflow, NumPy.

- Built a web app for uploading media, detecting potholes, and downloading results.
- Fine-tuned YOLOv8 model and optimized system for real-time performance.

EXPERIENCE

Data Science Trainee in | 360DigiTMG-Hyderabad, India | Jan 2025 - April 2025

- Completed intensive hands-on training in AI, Deep Learning, and Computer Vision technologies.
- Worked on real-time industry project titled Pothole Detection through Image and Video Segmentation using YOLOv8 Model with Deep Learning for Road Safety and Maintenance.
- Gained practical experience in data preparation, model training, deployment, and real-time application testing.
- Tools and Technologies: Python, Pandas, NumPy, Scikit-learn, OpenCV, Streamlit, Roboflow, YOLOv8.

PUBLICATIONS

- Pothole Detection through Image and Video Segmentation using YOLOv8 Model with Deep Learning for Road Safety and Maintenance.
- International Journal of Multidisciplinary Research in Science, Engineering and Technology (**IJMRSET**), Volume 8, Issue 4, April 2025 (Impact Factor: 8.206)
DOI: 10.15680/IJMRSET.2025.0804298

ACHIEVEMENTS AND CERTIFICATIONS

- Certified has participated in full-time internship in data science by 360DigiTMG, Hyderabad.
- Received a certificate from IJMRSET for Pothole Detection through Image and Video Segmentation using YOLOv8 Model with Deep Learning for Road Safety and Maintenance.
- Certified in Cloud Computing and Digital Image Processing in NPTEL SWAYAM PORTAL.
- Certified in Data Science Course in 1Stop.ai..
- Got some Training and Internship Certificates in Python and Web Development