Mohan Vaddella

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EDUCATION

VASIREDDY VENKATADRI INSTITUTE OF TECHNOLOGY
BTECH IN COMPUTER SCIENCE
2020 - 2024 | AP, India

LINKS

Github:// MohanVaddella
LinkedIn:// mohanvaddella
Leetcode:// mohanvaddella
HackerRank:// mohanvaddella
Qwiklabs:// MohanVaddella
Twitter:// mohanvaddella

COURSEWORK

UNDERGRADUATE
Data Structures and Algorithms
Object-Oriented Programming
Database Management System
Operating Systems
Cloud Computing
Computer Networks
Machine Learning

SKILLS

PROGRAMMING LANGUAGES
Java • Python • JavaScript • SQL •HTML • CSS • C

FRAMEWORKS / LIBRARIES
React.js • Tailwind CSS • Node.js • Express.js

DATABASES
MongoDB • MySQL

CLOUD / DEVOPS
AWS • GCP • Bash Scripting • GitHub Actions

DEVELOPER TOOLS
Git • GitHub • Visual Studio Code • Postman • Figma • UML

VOLUNTEER EXPERIENCE

GOOGLE CROWDSOURCE
Contributed to core AI tech, optimizing Google products for diverse languages and cultures.

EXPERIENCE

IIT KHARAGPUR | WEB DEVELOPMENT INTERN
Jun 2023 - Jul 2023 | IIT Kharagpur, India
- Spearheaded designing and developing a Multiparty Authentication System for **DRDO**'s project to achieve a **30% reduction** in system vulnerabilities.
- Implemented robust user verification measures, contributing to a **15% increase** in authentication accuracy.
- Honed problem-solving and communication skills by effectively working within a diverse team, leading to a **25% increase** in project efficiency.

PROJECTS

VIDEO CLASSIFIER
Sep 2023 – Present
- Developed a platform empowering users to securely manage, and categorize **ISRO** videos, **20% increase** in content retrieval.
- **35% growth** in video search efficiency through intuitive image search engine.

Techstack: React.js, Tailwind CSS, Node.js, Express.js, MongoDB, Amazon S3, TensorFlow, pandas, numpy, scikit-learn, boto3.

CRUDDUR
Feb 2023 – May 2023
- Built an API-powered engine hosted on **AWS**, paves the way for a new era of micro-blogging.
- Architected a **45% increase** in user engagement through seamless content creation and delivery.

Techstack: Docker, AWS Fargate, Amazon ECR, Amazon DynamoDB, Amazon RDS,CloudFormation, Route53.

FERTILIZER RECOMMENDER
Sep 2022 – Oct 2022
- Developed a deep learning-powered system that scans leaves with eagle-like precision, detecting plant diseases with a remarkable **98% accuracy**.
- Integrated real-time disease identification with swift treatment recommendations and by **25% reduction** in detection time.

Techstack: Azure Static WebApps, Azure HealthBot, Azure Maps, HTML, CSS,JavaScript, Numpy, Pandas, MatplotLib, sci-kit Learn.

CERTIFICATIONS

- AWS Certified Cloud Practitioner
- Microsoft Certified Azure Fundamentals
- Google Cloud Certified Cloud Digital Leader
- Google Cloud Certified Associate Cloud Engineer

COMPETITIONS / WORKSHOPS

- GDG DevFest 2023 Hyderabad.
- Salesforce Developer Days 2023 Hyderabad.
- IBM Hack Challenge 2022.
- AWS Deep Racer Student's League 2022.
- Google Cloud Ready Facilitator Program.
- GDSC WOW.