Mohan Vaddella

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EXPERIENCE

Fullstack Developer Intern   Jun 2023 – Jul 2023
IIT Kharagpur   *West Bengal, 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.

Techstack : HTML, CSS, JavaScript, PHP, MySQL, MongoDB, Apache, XAMPP.

TECHNICAL SKILLS

Programming Languages: C, Python, Java, HTML, CSS, JavaScript, SQL
Frameworks / Libraries: React.js, Tailwind CSS, Node.js, Express.js, PHP, TensorFlow, Keras
Databases: MySQL, MongoDB
Cloud / DevOps: AWS, GCP, Azure, Bash Scripting, GitHub Actions
Developer Tools: Visual Studio Code, Git, GitHub, Postman, Figma, UML

PROJECTS

Video Classifier   Sep 2023 – Feb 2024

- Developed a platform empowering users to 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 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, detecting plant diseases with **82% accuracy**.
- Integrated real-time disease identification with recommendations and by **25% reduction** in detection time.

Techstack : Azure Static WebApps, Azure HealthBot, Azure Maps, HTML, CSS, JavaScript, numpy, pandas, matplotlib, scikit-learn.

EDUCATION

Vasireddy Venkatadri Institute of Technology   Andhra Pradesh, India
B.Tech in Computer Science, CGPA: 8.8   *Jun 2020 – Apr 2024*

CERTIFICATIONS

- AWS Certified Cloud Practitioner
- Microsoft Certified Azure Fundamentals
- Google Cloud Certified Associate Cloud Engineer
- GitHub Foundations