HITHESH S

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EDUCATION

MTECH Integrated CSE with Specialization in Data Science Sep 2021 – May 2026
Vellore Institute of Technology, Vellore CGPA:8.92
Relevant Coursework: Data Analysis, Operating Systems, DSA, AI, ML, Software Engineering

SKILLS

Programming Languages	Java, Python, R, SQL, C
Tools	Tableau, Power BI
Database Management	MySQL, MongoDB
Frontend Development	React.js, HTML, CSS, Java Script
Platforms	Microsoft Azure, IBM Cloud, Figma

EXPERIENCE

SMARTBRIDGE Intern June 2024 – July 2024
- Developed a secure and scalable full-stack web application using the MERN stack (MongoDB, Express.js, React, Node.js), optimizing transaction efficiency.
- Designed and implemented RESTful APIs for key functionalities such as user authentication, account creation, funds transfer, and transaction history, enhancing system performance.

Microsoft Future Ready Talent Program June 2024
- Successfully completed an intensive Microsoft-backed training focused on cloud computing, artificial intelligence, and modern software development.
- Gained hands-on experience in Microsoft Azure, learning cloud deployment, virtual machines, and AI model integration.

IBM SkillsBuild | AI & Cloud Intern June 2024 – July 2024
- Successfully completed a 4-week internship on Emerging Technologies (AI & Cloud Computing), leveraging IBM SkillsBuild and IBM Cloud Platform.

PROJECTS

Leaf Disease Detection Using CNN
- Developed a deep learning model using CNN to detect and classify diseases in leaves, enabling early diagnosis and helping reduce crop losses.
- Enhanced model performance by preprocessing images, applying data augmentation, and fine-tuning hyperparameters, improving classification accuracy by 10%.

Customer Churn Prediction
- Developed a customer churn prediction model using Random Forest, XGBoost, and Ensemble Learning, achieving high accuracy.
- Applied data preprocessing techniques and evaluated models using classification reports and accuracy scores.

Heart Failure Data Analysis using Tableau
- Analyzed heart failure patient data using Tableau to identify key risk factors and trends, aiding in early diagnosis and preventive care.
- Visualized critical health metrics (age, blood pressure, cholesterol levels) through interactive dashboards to support data-driven decision-making in healthcare.

CERTIFICATIONS

- Certified Microsoft AI900 Fundamentals from Microsoft.
- Certified Python3
- Certified IBM SkillsBuild – AI & Cloud Internship from Edunet Foundation
- Certified Future Ready Talent Program from Microsoft

VOLUNTEER EXPERIENCE

Rotaract Club of VIT - Rotaractor 2023-Present
Led community service initiatives and organized 5+ networking and outreach events with 100+ participants at VIT.