

HD SATHVIK

COMPUTER SCIENCE ENGINEER

MACHINE INTELLIGENCE AND DATA SCIENCE

PROFILE

Tech enthusiast with a passion for cloud and data analytics, excited to turn complex data into clear, actionable insights. Ready to use cloud computing to help teams work smarter and make a real impact in a digital-first world.

PROJECTS

OptiML

AI consultancy app

- Developed an AI consultancy tool, "OptiML," designed to deliver real-time insights and tailored business recommendations. The app leverages financial, stock, and demand datasets to optimize strategic decision-making for FMCG and startup clients, reducing reliance on traditional consulting with affordable, actionable insights.

IWAS

Insurance Workflow Automation Software

- Built an insurance workflow automation tool using React, TypeScript, and Vite, focusing on a comprehensive SRS. Features include a Policy Manager for accounts, a Claims Router for efficient claims processing, and a Database Manager for streamlined data handling.

Shooting stats analysis

Stephen curry shooting stats

- Analyzed Stephen Curry's shooting performance using R, identifying trends in scoring consistency, efficiency relative to playtime, and performance under high-pressure situations. Insights covered team-specific performance and impacts of game context and defensive strategies.

Book recommendation app

Built with AWS PartyRock

- Built an AI-based book recommendation app with PartyRock that suggests titles based on author and genre inputs, with a chatbot feature for detailed book info. Enhances user experience by making book discovery more interactive and personalized.

WORK EXPERIENCE

Kemsys Technologies

2023 JUNE-JULY

Assistant Research Intern

- Developed a prototype for an automated beverage dispenser featuring the Nedniryo 2 robotic hand. Created the user interface using a Nextion display and integrated the Niryo app for robotic hand control, along with additional components to complete the machine.



CONTACT

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EDUCATION

2021-2025

PES UNIVERSITY

- B.Tech in CSE with specialization in MIDS

2019-2021

ASC PU COLLEGE

- PU II: PCMC
- Marks: 510/600

SKILLS

- Microsoft Certified: Azure Fundamentals AZ-900
- Programming languages
 - Python, C
 - SQL, Neo4J
 - Figma, ROS, Matlab
- Cloud Computing in AWS and Azure
- Software Project Management and development
- Web tech and Database Management
- HCI and Robotics