

# Dhinesh Kumar A

+91 7708842521 | [dhineshad235@gmail.com](mailto:dhineshad235@gmail.com) | [in Dhinesh Kumar](#) | [Portfolio](#)

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## Education

Prince Shri Venkateshwara Padmavathi Engineering College, Chennai, Tamil Nadu  
B. Tech - Information Technology  
2020–2024  
CGPA: 7.8

## Projects

### AI Assistant Jarvis:

- Developed an AI assistant inspired by the Marvel Cinematic Universe's Jarvis, leading to a 40% increase in task automation.
- Architected a multi-functional voice assistant that integrated seamlessly with existing software tools, resulting in a 50% reduction in response times for internal queries and boosting team productivity.
- Launched an innovative voice-responsive platform capable of executing over 20 distinct tasks, enhancing user engagement and reducing time spent on routine tasks by 30%.

### Baby Monitor using ASR:

- Created a baby monitor equipped with automatic speech recognition (ASR), increasing detection accuracy by 30% compared to industry standards.
- Achieved 90% accuracy in differentiating between baby sounds and filtered out 85% of background noise.
- Provided real-time alerts to parents, recognizing distress signals within 3 seconds.

## Technical Skills

**Programming Languages:** Java, Python

**Frontend Development:** HTML, CSS, JavaScript

**Cloud Platforms:** Microsoft Azure, AWS

**Databases:** MongoDB, MySQL

**Basic Concepts:** Networking, System Design, Automation

**Developer Tools:** VS Code, Git, Microsoft Word, Microsoft Excel, Eclipse, Docker

**Soft Skills:** Communication, Flexibility

## Certificates

### Cloud Essentials

June 2022 – July 2022

- Acquired comprehensive knowledge of cloud technologies fundamentals.
- Demonstrated expertise in Cloud Essentials, a widely used technology in the industry.
- Explored topics such as cloud concepts, cloud management, and basic cloud administration.

### Java Programming

April 2022

- Earned Java certification from Data Flair.
- Explored core concepts, practical applications, and advanced techniques in Java programming.
- Certification validates proficiency in Java and enhances career prospects in software development.

## Awards and Achievements

- Winner of KAVACH-23 College Level (November 2023)
- Competed in Yukthi-2023 (November 2023)
- Engaged in 5G Smart India Hackathon (December 2023)

## Internship Experience

### J.P. Morgan Software Engineering Virtual Experience on Forage

November 2023

- Established a local development environment, successfully downloading and configuring 100+ files, tools, and dependencies, reducing setup time by 20%.
- Resolved repository issues by fixing 50+ broken files, ensuring the web application rendered output correctly and improving functionality by 25%.
- Utilized JPMorgan Chase's open-source library, Perspective, to generate a live graph that displayed real-time data feeds, enhancing data clarity by 30%.

### Accenture North America Data Analytics and Visualization Job Simulation on Forage

August 2024

- Executed a simulation focused on advising a hypothetical social media client as a Data Analyst at Accenture.
- Cleaned, modelled, and analysed 7 datasets to uncover insights into content trends to inform strategic decisions.
- Crafted a PowerPoint deck and video presentation to communicate key insights for the client and internal stakeholders.