

# DILEEP KUMAR THIRUVENKADAM

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## Professional Summary

Innovative and detail-oriented software engineering professional with a bachelor's degree in computer science and engineering, currently pursuing a master's in software engineering at Hochschule Heilbronn. Proven experience in software development, data science, and machine learning, with practical expertise in full-stack development and IoT applications. Passionate about using technology to tackle complex challenges and enthusiastic about contributing to dynamic teams at the forefront of digital transformation.

## Work Experience

### Associate Software Developer – Quaking Aspen Private Limited

Jan 2022 – Jan 2024

- Internship: 6 months (2022) & Full-time: 1.5 years (2022-2024)
- Completed a 6-month internship focused on Python automation, software testing, and product module development.
- Transitioned to a full-time role where I took ownership of a complete product module, managing it through development, testing, and production.
- Developed and maintained automation scripts to optimize workflows, enhancing operational efficiency.
- Gained practical experience with AWS cloud services, including deployment and monitoring of applications.
- Collaborated closely with cross-functional teams, contributing to bug fixes, code reviews, and feature enhancements.
- Demonstrated adaptability and resilience during company restructuring, meeting project deadlines despite resource constraints.

### Web Development Internship – Zoho Corporation

Jan 2021 – Jan 2021

- Developed responsive web pages using HTML, CSS, JavaScript, and ReactJS.
- Worked on internal tools and contributed to UI improvements for a live product.
- Gained exposure to version control (Git) and Agile development practices.

### Machine Learning Internship – Freshworks

Jan 2020 – Jan 2020

- Understood the basics of machine learning, AI, and deep learning models.
- Applied supervised and unsupervised learning techniques using Scikit-learn and TensorFlow.
- Focused on real-time use cases involving predictions and classification tasks.

### Data Science Workshop – Guvi Geek Networks

Jan 2020 – Jan 2020

- Completed training on Python for Data Science, covering data collection, preprocessing, and analysis.
- Used tools like NumPy, Pandas, and Matplotlib to build mini-projects and visualizations.
- Learned how to interpret data to solve business problems and support decision-making.

## Education

### HOCHSCHULE HEILBRONN – Heilbronn, Germany

September 2024 - Present

MASTER OF SCIENCE-SOFTWARE ENGINEERING AND MANAGEMENT

### SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

June 2018 - May 2022

BACHELOR OF TECHNOLOGY - COMPUTER SCIENCE AND ENGINEERING

GPA: 1.9

## Skills

Java, Python, C, SQL, JavaScript, Bash, HTML, CSS, Angular, RESTful APIs, Node.js, AWS, Terraform, Kubernetes, Docker, GitHub Actions, Postman, MongoDB, MySQL, Data Visualization, Data Cleaning, Git, JIRA, Wireframing, UI/UX, Agile (scrum), MIRO, Leadership, Communication, Team Collaboration, Management, BPMN, Analytical Thinking, Problem Solving

## Languages

English (Fluent), German (Basics), Tamil (Fluent)

## **Volunteering & Leadership**

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### **Volunteering experience – NGO Community Service**

- Volunteering experience includes active participation in NGO-led community initiatives across India, such as distributing food to the homeless, coordinating blood donation camps, engaging in environmental cleanliness drives, and assisting in educational programs for underprivileged children.
- These contributions demonstrate a strong dedication to community welfare and collaborative social impact.

## **Certifications**

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### **AWS Academy Cloud Developing**

### **Cloud Computing and Distributed Systems – NPTEL**

### **Programming, Data Structures, and Algorithms Using Python – NPTEL**

### **Introduction to Programming and Problem Solving in Python – NPTEL**