

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

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

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