

# S Mohamed Thamimul Ansari

## Associate Software Engineer

### Work Experience



#### Subject Matter Expert (Full Stack) Intern | VDart Academy June 2024 - October 2024

- Assisted in designing and developing full stack web applications using technologies such as HTML, CSS, JavaScript, React.js, Node.js, and Django.
- Provided technical guidance and mentorship to students on best practices in full stack development, covering both frontend and backend technologies.
- Handling interactive sessions during Industrial Visits (IV), covering IT industry trends, career opportunities, emerging technologies, and soft skills, while providing live demonstrations and practical exposure to development workflows.

#### Software Developer | T-Machine Solutions January 2023 - March 2024

- Developed Python/Django backend systems for performance and scalability.
- Created comprehensive Product Requirement Documents (PRDs) defining project scope.
- Maintained updated API documentation for clear communication and integration.
- Wrote reusable, testable Python code following best practices.
- Implemented CRUD operations, optimizing code and queries.
- Designed RESTful APIs for frontend-backend communication.
- Proficient in Data Structures and Algorithms for problem-solving and system optimization.
- Worked as a Python trainer, delivering hands-on sessions to help others master Python fundamentals and best practices.

### Education History

**Bachelor of Engineering (Computer Science)**  
**Institution:** Mookambigai College of Engineering  
**Year of Graduation:** 2022 - CGPA : 8.10

#### Project:

- Watermarking And Encryption Technique To Avoid Data Leakage In Cloud Storage.

### Volunteer Work and Interests

**HR Juror,**  
Interview candidates for hiring

**Games,**  
Snooker, Badminton & Football

### Contact Info

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### Technical Skills

- Python, Django, Java, SpringBoot, HTML, CSS, SQL
- Git and GitLab
- Zoho Sprint
- Insomnia - API Client
- DB Construction
- Technical Documentation

### Other Skills

- Microsoft Office
- Canva Design
- Quick Learner
- Project Lead
- Agile Methodology

## Projects



### T-Machine School of Python Website:

- Led development using WordPress, enhancing user experience.
- Collaborated on features like course registration and forums.
- Implemented responsive design, boosting traffic by 31% in 3 months.
- Received positive user feedback.

### T-Machine.ai Corporate Website:

- Managed creation on WordPress, increasing client enquiries by 14%.
- Designed sections to highlight products and success stories.
- Ensured website security and compliance.

### Profile Image Update Page (CRUD Operations) with React, Django, and SQLite:

- Developed user-friendly page with React, Django, SQLite.
- Designed intuitive UI with React components.
- Integrated image cropping functionality.
- Implemented CRUD operations for profile images.
- Ensured seamless integration between frontend and backend.
- Received positive feedback for design and functionality.

### Project: Learning Management System (LMS)

#### Overview:

- Developed using React for frontend, Spring Boot for backend, and Django for decision-making.
- Combined expertise in both Spring Boot and Django for optimized performance and decision-making processes.

#### Django Contributions:

- **Code Optimization:**
  - Analyzed and optimized existing Django codebase for improved performance.
  - Implemented optimizations to reduce response times and enhance scalability.
- **Decision Making:**
  - Designed and implemented decision-making logic within Django, leveraging data analysis and algorithms.
  - Developed algorithms to process data and provide insights for decision-making within the LMS.

#### Spring Boot Contributions:

- **Data Retrieval and Processing:**
  - Enhanced existing Spring Boot codebase for efficient data retrieval.
  - Implemented data processing mechanisms to handle large datasets effectively.
- **Integration with Django:**
  - Integrated Spring Boot with Django to retrieve decisions and update the database accordingly.
  - Established communication channels between Spring Boot and Django for seamless decision exchange.

#### Overall Contributions:

- **Optimization and Efficiency:**
  - Contributed to optimizing code in both Django and Spring Boot for improved performance.
  - Ensured efficient data processing and decision-making workflows within the LMS.
- **Interdisciplinary Collaboration:**
  - Collaborated effectively across React, Spring Boot, and Django teams to integrate functionalities seamlessly.
  - Played a crucial role in bridging frontend and backend systems for a cohesive user experience.