

Abinaya P

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<https://portfolio-rc6f8uqeg-ab1n0y0s-projects.vercel.app>

AI Developer | MERN Stack Developer

Professional Experience

TechSaint Technologies Pvt. Ltd., Bangalore (techsaint.co.in)

Web Development Intern

March - June 2025

Tech Stack: React.js, Node.js, Express.js, MySQL

- Contributing to real-time, client-based projects including a full-scale e-commerce application, focusing on responsive UI development using React.js and backend integration with Node.js.
- Handling database design and operations with MySQL, implementing key features like user authentication, product management, and scalable data workflows.
- Working in an Agile environment with Git version control, actively participating in code reviews, testing, and deployment of production-ready full-stack applications.

VDart Academy Trichy, A Global Entity of VDart Inc. (VDart.Com)

Data Analytics Intern

Jul 2024

- Spearheaded data analytics projects, including customer churn prediction and YouTube content optimization, utilizing machine learning algorithms (Random Forest, Logistic Regression) and Python to generate actionable insights.
- Extracted and analyzed YouTube channel data using the YouTube Data API and created interactive Power BI dashboards with automated refresh capabilities, enabling real-time analytics and optimizing decision-making.
- Conducted ETL processes with Python and SQL to efficiently transform large datasets, improving process efficiency and reducing costs.

Infilabs, Trichy (infilabs.com)

AI & ML Intern

Jun 2023

- Researched and analyzed data trends to enhance the accuracy of machine learning models.
- Developed CNN-based disease diagnosis systems using Grad-CAM for medical image analysis. Conducted data preprocessing and feature analysis to improve model reliability and explainability.

EDUCATION

B.Tech. AI & DS (Artificial Intelligence & Data Science), 2021-2025

M.A.M College of Engineering, (mamcet.com), Affiliated with Anna University

8.0/10 GPA

TECHNICAL SKILLS

Languages/Tools: Python, MySQL, Java script, HTML, Power BI, Git, VS Code, Postman, Eclipse.

Libraries/Frameworks: React.js, Express.js, node js, Tailwind CSS, Spring boot, NumPy, Keras, Ensemble, Trees, Hadoop, Beautiful Soup, Matplotlib, Random Forest.

Key Skills: RESTful APIs, Agile Methodologies, Data Analysis, Machine Learning Algorithms, Big Data, Data Visualizations, Neural Networks, Data Quality, Business Strategy, NLP.

Certification: Full Stack Developer, Capgemini, Sponsored TNSIF C2TC, Mar'24 -Apr'24.
(https://drive.google.com/file/d/1ilBhYmeebJ2lnFmegbFzxhdtXuFM_Zyd/view?usp=sharing)

PROJECTS

Shopping Mall Management System

- Developed a full-stack web application using node js(backend) and Angular (frontend) for managing malls, stores, and products.
- Engineered RESTful APIs with Spring Boot, implementing CRUD operations for seamless data management.
- Designed a responsive UI using Angular, JavaScript, HTML5, and CSS3, enhancing user experience with Angular Material components.

Grievances Management System

- Developed a Grievances Management System using [tech stack-React.js, node.js, Express.js MySQL] to streamline complaint registration and resolution workflows.
- Implemented user authentication, admin dashboards, and status tracking features to enhance transparency and accountability.
- Reduced response time for grievance handling by automating notifications and centralized data access, improving overall efficiency.