

ABHINAND MEETHELE VALAPPIL

+91 8826246605 mvabhinand2005@gmail.com linkedin github Portfolio

SUMMARY

Computer Science Engineering student at SRM Institute of Science and Technology, expected to graduate in 2027 with a CGPA of 9.19/10. Skilled in building real-world web applications with a strong interest in integrating AI and machine learning into modern software solutions. Passionate about full-stack development, problem-solving, and creating intelligent, scalable systems that deliver meaningful user impact. Eager to contribute to innovative projects while continuously expanding technical and collaborative expertise.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, C/C++, HTML, CSS, SQL

Frameworks & Libraries: React.js, Node.js, Express.js, Flask, SQLAlchemy, Bootstrap, EJS

Tools & Databases: Git, GitHub, PostgreSQL, MySQL, SQLite, WordPress, n8n (beginner)

PROJECTS

AI Clipper & Caption Generator | *Python, Next.js, React, OpenAI Whisper, Gemini API* | Jul 2025 – Nov 2025

- Built an AI-powered system to automatically extract video highlights and generate captions using speech-to-text and multimodal AI models.
- Integrated OpenAI Whisper for speech transcription and Google Gemini API for intelligent highlight detection and social-media-ready captioning.

Microservices Chat App | *React, Next.js, RabbitMQ, Redis, Socket.io, TypeScript, MongoDB* | Mar 2026

- Engineered a scalable microservices architecture with decoupled Chat, User, and Mail services using RabbitMQ for asynchronous OTP delivery.
- Implemented real-time messaging, typing indicators, and online status using Socket.io and Redis for high-performance session management.

Customer Churn Prediction | *Python, Scikit-learn, Pandas, Streamlit, FastAPI* | Mar 2026

- Built a Streamlit web app that predicts telecom customer churn using a trained binary classification model with label encoding and standard scaling pipelines.
- Designed a custom dark-themed UI with CSS injection in Streamlit and deployed the app on Streamlit Community Cloud with a public shareable URL.

Blogging Platform | *Python, Flask, SQLite, Bootstrap, HTML, CSS* | Nov 2024 – Dec 2024

- Built a full-stack blogging platform with complete CRUD functionality for posts using Flask and SQLite.
- Designed a responsive UI with Bootstrap and implemented structured backend routing and data handling.

EDUCATION

SRM Institute of Science and Technology, Delhi NCR	Aug 2023 – May 2027
<i>B.Tech, Computer Science and Engineering</i>	<i>CGPA: 9.19 / 10</i>
St. Francis School, Indirapuram	2023
<i>Class XII – CBSE (PCM)</i>	82.8%
St. Francis School, Indirapuram	2021
<i>Class X – CBSE</i>	88.5%

CERTIFICATIONS

Foundations of Coding Full-Stack – Microsoft (Jan 2026) [Link](#)

Natural language processing – NPTEL (May 2026) [Link](#)

Exploratory Data Analysis for ML – IBM (Feb 2026) [Link](#)

Complete Full-Stack Web Dev Bootcamp – Udemy (May 2025) [Link](#)

100 Days of Code: Python Pro Bootcamp – Udemy (Mar 2025) [Link](#)

Crash Course on Python – Google (Mar 2025) [Link](#)

Python (Basic) – HackerRank (Oct 2024) [Link](#)

COMPETITIONS & HACKATHONS

Finalist – India AI Impact Buildathon, HCL GUVI (Feb 2026) [Link](#)
Participant – Adobe India Hackathon (Aug 2025) [Link](#) | Amazon ML Challenge 2025 (Oct 2025) | L’Oréal Sustainability Challenge 2025 (Oct 2025) [Link](#) | Guidewire DevTrails (Feb 2026) [Link](#)

VOLUNTEERING

Dr. A.V. Baliga Memorial Trust Jun 2025 – Jul 2025
Volunteer – Education & Social Welfare ([Link](#))

- Supported educational programs for at-risk children in underprivileged communities in Delhi.

Full Bowl Initiative (Campus Initiative) Mar 2025 – Present
Student Volunteer – Animal Welfare ([Link](#))

- Contributed to feeding and caring for community dogs on campus; supported awareness and donation drives.

ADDITIONAL INFORMATION

Languages: English (Professional), Hindi (Native), Malayalam (Native), German (Elementary)