Meenakshi

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OBJECTIVE

I am a dedicated Information Science and Engineering student with hands-on experience in full-stack web development and machine learning projects. I have a strong foundation in various programming languages and am eager to contribute to innovative technologies. My recent projects showcase my skills in building user-friendly applications and websites successfully.

EDUCATION

Bachelor of Engineering (B.E) in Information Science and Engineering, Sir M Visvesvaraya Institute of Technology, Bangalore **Expected 2026**
CGPA: 9.24/10 — Bangalore, India

Pre-University Course (PCMB), Reddy Veeranna Sanjeevappa Central (ICSE) Residential School and Composite Junior College **2020 – 2022**
Percentage: 94.33% — Karatagi, Karnataka, India

SSLC, Shantiniketan Public School, Karatagi **2020**
Percentage: 91% — Karatagi, Karnataka, India

SKILLS

Languages	Java, python(Basics), HTML, CSS, JavaScript
Databases	MySQL, MongoDB
Tools	Git, GitHub, VS Code, Postman
Frameworks	React, Flask
Fundamentals	DSA in Java , OOPS, DBMS, OS, Computer Networks
Certifications	FullStack Web Development(SmartLearn Edtech), Adobe All India Hackathon, Introducing Generative AI with AWS, Introduction to Software Engineering (IBM)

WORK EXPERIENCE

Artifical Intelligence Intern | *Infosys Springboard* — Sep 2025 - Nov 2025
Designed and implemented a real-time AI Based music composition System using CNNs, LLMs, and Flask APIs with TensorFlow, PyTorch, and Hugging Face Transformers, enabling optimized Base64-encoded audio generation and streaming.

Full Stack Developer Intern | *Smart Learn EdTech* — Jun 2024 -Aug 2024
Developed a full-stack Bicycle Rental System using Python, Flask, and MongoDB with real-time APIs and secure user authentication.

PROJECTS

Forever-E-commerce Website — MongoDB, Express.js, React, Node.js **[GitHub Link]** , **[Deployed Link]**

- Developed and deployed a full-stack e-commerce platform using the MERN stack with a user-facing React frontend.
- Implemented a robust Node.js/Express.js backend with MongoDB, including user authentication and secure payment gateway integration.
- Built an admin panel for content and order management, and added features like product search, filtering, and sorting.

AI Based Music Composition System — Python, Flask, TensorFlow, HTML,Tailwind CSS ,JavaScript **[GitHub Link]**

- Developed AI music generation platform using MusicGen transformer and Flask API, creating compositions from user prompts across 10 genres.
- Trained CNN genre classifier with YAMNet achieving 87% accuracy on GTZAN dataset, implementing audio pipeline with NumPy and Librosa.
- Built responsive UI with Firebase authentication, IndexedDB storage (50+ tracks),and real-time audio playback.

Face Mask Detection — Python, TensorFlow, OpenCV, Flask, HTML,CSS,JS **[GitHub Link]**

- Built a real-time face mask detection system with MobileNetV2 (CNN) and OpenCV.
- Developed an interactive web interface using HTML, CSS, JavaScript, and Flask backend.
- Achieved 98% accuracy and stable live detection using webcam streaming.

ACHIEVEMENTS

- Recipient of the Amazon Future Engineer Scholarship Program, with mentorship and technical guidance provided by Amazon engineers.
- AINCAT 2025 – Score: 44/60 (90.21 percentile); All India Rank: 6401.
- Adobe All India Hackathon Participant – involving PDF outline extraction, structured JSON generation, and persona-based document section ranking.