Shashank Ravishankar Naik

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PROFILE

Aspiring Software Developer skilled in building systems using **Node.js**, **Express.js**, and **MongoDB**. Hands-on experience with containerization (**Docker**) and cloud deployments (**AWS EC2**). Strong foundation in **DSA**, **DBMS**, and **computer networks** with proven contributions to hackathons and internships.

EDUCATION

Dayananda Sagar College of Engineering, Bengaluru
Bachelor of Engineering (CSE) — **CGPA: 8.98**   *4th Year, 2022-2026*

Siddartha College, Bhatkal
Pre-University (PCMB) — **Percentage: 93.33**   *2020–2022*

Anand Ashram High School, Bhatkal
SSLC (10th) — **Percentage: 92.64**   *2019–2020*

TECHNICAL SKILLS

- **Languages:** C++, Java, JavaScript
- **Frameworks:** Node.js, Express.js, Mongoose
- **Technologies:** MongoDB, MySQL, Docker, JWT, AWS EC2, Render, Postman, GitHub
- **Core CS:** OOPS, DBMS, Data Structures & Algorithms, Computer Networks, REST APIs

PROJECTS

DeepDetect – AI-Powered Deepfake Detection   *MERN + TensorFlow + FastAPI*

- Built an AI-based platform to detect deepfake images using a **MERN stack** and a scalable model inference system.
- Users can upload images via drag-and-drop, view detection status with real-time alerts, and monitor usage through an admin dashboard.
- Designed backend in **Node.js + Express** with authentication, secure APIs, and **Razorpay** integration.
- Used **JWT** as dynamic API keys to enable secure, pay-per-use model access.
- Implemented a deep learning model in **TensorFlow** with multiple **Conv2D**, **MaxPooling2D**, and **Dense layers** for binary classification of deepfake images.
- Containerized the **FastAPI** model service using **Docker**, deployed it on **AWS EC2**, and integrated with the **Node.js** backend for scalable inference in production.
- Deployed frontend/backend on **Render** with separate hosting of the model service to ensure high performance and modular scaling.
- **Links:** [Live Demo](#) — [GitHub Repo](#)

EXPERIENCE

Kacklewalls Nutrition Pvt Ltd, Bengaluru   *Aug 2024 – Nov 2024*
Backend Developer Intern

- Successfully completed a 3-month internship as a Backend Developer, contributing to the backend development of a **B2C website** now live in production.
- Played a pivotal role in developing and maintaining backend features for the **B2B website**, such as creating and updating outlets, customers, and delivery drivers.
- Worked on backend functionalities using **Express.js**, including order assignment to the nearest outlet and complex data aggregations.
- Assisted in developing and integrating **REST APIs** with **MongoDB**, contributing to smoother backend functionality.

CERTIFICATIONS AND ACHIEVEMENTS

- **Runner-Up – National Hackathon (MITB ACM)**: Secured 2nd place with AI/Agritech solution; collaborated with industry experts and Codebasics founders.
- **NPTEL – Advanced Computer Networks (Silver Medal)**: Covered routing and transport protocols; recognized by India's premier online learning platform.
- **Udemy – Node.js, Express, MongoDB (42 hrs)**: Full backend bootcamp on REST APIs, MongoDB modeling, and deployment.