Shubham Kulkarni

Pune skulk156.pc@gmail.com 8600176103 Shubham Kulkarni

Welcome to Shubham's CV!

I'm a backend developer skilled in Node.js, MySQL, Python, C++, and AWS, with experience building systems like an Employee Management System (EMS). I focus on creating efficient APIs, managing databases, deploying applications on cloud, and integrating IoT solutions for smarter applications.

Quick Guide

- Developed a full-featured Employee Management System (EMS) using Node.js and MySQL, handling employee records, attendance tracking, leave management, and document uploads.
- Worked on Inertial Measurement Unit (IMU) integration using Python and C++, collecting and processing sensor data to monitor motion and orientation in real-time IoT applications.
- Deployed backend applications and managed database services using AWS (EC2, RDS, S3) to ensure scalable, secure, and reliable cloud infrastructure.

Education

B.E **Dr. D.Y. Patil Institute of Engineering, Management and Research**, AIDS — Nov 2022 – 2026
- GPA: 6.1

H.S.C **Vinayakrao Patil Mahavidyalaya, Vaijapur** — Jun 2021 – Mar 2022
- Percentage: 74.33

S.S.C **Karuna Niketan High School, Vaijapur** — Jun 2019 – Mar 2020
- Percentage: 79.33

Experience

Wordlanetech, SQL and Backend Developer Intern — Pune, India, June 2025 – Sept 2025
- Developed an Employee Management System (EMS) using Node.js and MySQL to manage employee records, attendance, leaves, and documents efficiently.
- Designed a relational database schema to handle complex relationships between employees, departments, tasks, and attendance records.
- Deployed the system on AWS (EC2, RDS, S3) for reliable hosting, cloud database management, and document storage, ensuring scalability and high availability.

Genesis 16 Motorsports, Data Acquisition Head — Pune, India, Nov 2024 – Mar 2025
- Designed and developed a Data Acquisition (DAQ) system using ESP32 and gyroscope sensors to capture real-time motion and orientation data.
- Programmed the ESP32 to read sensor data and send it to the backend using the HTTP protocol (POST requests) for simple and reliable communication.
- Developed data processing modules in Python and C++ to calibrate, filter, and convert raw sensor readings into meaningful, usable data.

Languages: Python , C++, SQL, JavaScript, Java

Technologies: Node.js, MySQL, Python, C++, ESP32, RESTful APIs, AWS (EC2, RDS, S3), Data Acquisition (DAQ)

Portfolio: https://portfolio-app-beta-nine.vercel.app/