

# Kumar S Marathe

Indian Citizen

Computer science Enthusiast

☎ (+91) 8317399047 ✉ [kumarsmarathe8317399047@gmail.com](mailto:kumarsmarathe8317399047@gmail.com)

🌐 <https://www.linkedin.com/in/kumar-s-marathe-79a163256/>

## Education

### Sahyadri College of Engineering and Management

**Expected Graduation, May 2026**

*B.Tech in Computer Science - 6.05 CGPA*

*Mangalore, Karnataka*

- Concentrations: Infra, Cybersecurity , Software Development
- Related Coursework: Data Structures & Algorithms, Machine Learning, Artificial Intelligence, Object-Oriented Programming
- Learning about the digital infrastructure

## Technical Skills

**Languages:** Python, JavaScript

**Developer Tools:** VS Code, Power BI, Excel, JIRA, VS Code, PyCharm, AWS

**Operating Systems:** Windows, Ubuntu: Windows, Ubuntu, Linux

## Projects

### Server Monitoring in AWS / AWS CloudWatch, CloudTrail, EC2, S3, IAM

**May 2025**

- Enhanced a **scalable AWS-based monitoring system** to **track server performance** and ensure infrastructure
- Integrated CloudWatch and CloudTrail for real-time logs and alerts.
- Optimized resource utilization and enhanced system reliability.

### ML Crop Recommendation System / Python, Random Forest, IoT, Data Analytic

**January 2025**

- Designed a predictive model to recommend crops based on soil, climate, and geolocation data.
- Integrated IoT sensor data for real-time analysis and improved accuracy.
- Enabled sustainable farming with data-driven decision support.

### AWS Billing Alert / AWS Budgets, CloudWatch, SNS, Lambda

**October 2024**

- Built an automated cost monitoring system to control AWS usage and avoid billing spikes.
- Triggered notifications via Lambda and SNS upon budget threshold breaches.
- Improved cost visibility and accountability in cloud operations.

### Mental Health Support & Therapist Matching Platform / HTML, CSS, JavaScript,

**May 2024**

*Node.js, Express.js, MySQL*

- Created a full-stack web app for secure client-therapist matching with a focus on privacy and responsiveness.
- Implemented backend authentication, session handling, and database management.
- Delivered an intuitive interface with mobile-friendly design.

### Sales Performance Analysis Dashboard / Power BI, Excel, SQL, Python

**May 2024**

- Developed dashboards to analyze KPIs, revenue trends, and top-performing products.
- Used SQL and Python for data preprocessing and cleansing.
- Enabled real-time insights that supported key business decisions.

# Certification

<b>Microsoft Certified: Power BI Data Analyst Associate</b> <ul style="list-style-type: none"><li>• Microsoft</li></ul>	<b>June 2025</b>
<b>Excel with Copilot: AI-Driven Data Analysis</b> <ul style="list-style-type: none"><li>• Coursera by Google</li></ul>	<b>November 2024</b>
<b>Generative AI Productivity Skills</b> <ul style="list-style-type: none"><li>• Microsoft LinkedIn Learning</li></ul>	<b>November 2024</b>
<b>Copilot in PowerPoint</b> <ul style="list-style-type: none"><li>• Microsoft LinkedIn Learning</li></ul>	<b>November 2024</b>
<b>AWS Certified Solutions Architect – Associate</b> <ul style="list-style-type: none"><li>• Amazon Web Services (AWS)</li></ul>	<b>October 2023</b>
<b>CompTIA Linux+ Course</b> <ul style="list-style-type: none"><li>• Simplilearn</li></ul>	<b>July 2023</b>