Sayam Mahajan

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EDUCATION

VIT Bhopal University	Sehore, MP
Bachelor of Technology in Computer Science and Engineering; CGPA: 9.11/10.0	Sep 2022 - May 2026

TECHNICAL SKILLS

- **Programming Languages**: C/C++, SQL

- **AWS & Cloud**: EC2, S3, Lambda, DynamoDB, RDS, VPC, and more

- **Web Development**: Node.js, Express.js, RESTful APIs

- **Tools & Technologies**: Docker, Kubernetes, Jenkins, Git

CERTIFICATIONS

- **AWS Certified Solutions Architect - Associate** (AWS)

- **AWS Certified Cloud Practitioner** (AWS)

- **Oracle Cloud Infrastructure 2025 Certified Foundations Associate** (Oracle)

PROJECTS

DevOps Dashboard | *EKS, ECR, EC2, VPC, Docker, GitHub Actions, Grafana, Prometheus* | GitHub
- Designed and deployed a Dockerized Node.js application on Amazon EKS, implementing a CI/CD pipeline via GitHub Actions and Amazon ECR, reducing manual deployment time by 90%.
- Created Kubernetes manifests for scalable deployments and integrated Prometheus and Grafana for real-time cluster monitoring.
- Secured and optimized the CI/CD workflow using GitHub Secrets, IAM roles, and cost-efficient AWS resource provisioning.

Automated Receipt Processing System | *Lambda, S3, DynamoDB, Textract, SES* | GitHub
- Developed a serverless system using AWS (Lambda, S3, Textract, DynamoDB, SES) to automate receipt processing, extraction, storage, and email notifications.
- Enabled real-time data extraction from receipts via Textract, reducing manual entry and improving accuracy.
- Structured and stored extracted data in DynamoDB for efficient querying, with automated alerts via SES.

Arogyam | *React.js, Node.js, Express, PostgreSQL, Python* | GitHub
- Built a personalized healthcare platform with an AI-powered chatbot, aimed at improving user access to healthcare solutions.
- Integrated Google Fit API to track and analyze users' daily activities, providing actionable health insights and improving user engagement.
- Implemented features like home remedies and therapy recommendations, enhancing platform usability and increasing user retention.

EXPERIENCE

Fullstack Web Intern	Dec 2024 - Jan 2025
Edunet Foundation	Remote

- Forged a secure digital wallet from the ground up employing the MERN stack, implementing rigorous authentication protocols and personally writing 3000+ lines of efficient code within a one month timeline.
- Integrated PayPal API for seamless payment processing, enabling deposits, withdrawals, and transactions.
- Built key financial features, including transaction history, money requests, and peer-to-peer transfers.

ACHIEVEMENTS

- Developed an OPD queue optimization system that reduced patient wait times and was selected among VIT Bhopal's finalists for SIH 2024.