

Vats Pratap Singh

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TECHNICAL SKILLS

Backend: C++, AI and ML
Frontend: AWS Amplify, HTML, CSS, React.js
Database: DynamoDB, Microsoft SQL Server
Tools & Technologies: Visual Studio, AWS Console
Cloud Services: Amazon Web Services (AWS)

EDUCATION

Vellore Institute of Technology, Bhopal B.Tech in Computer Science and Engineering (Cloud Computing and Automation) CGPA: 8.40	Aug 2022 – Aug 2026
Delhi Public School, Indore Senior Secondary (Grade XII), CBSE, Percentage: 74.6%	March 2022
Delhi Public School, Indore High School (Grade X), CBSE, Percentage: 83.5%	March 2020

PROJECTS

Cloud-Based Clickstream Analytics with AWS <ul style="list-style-type: none">Project Description: Built a serverless clickstream analytics solution for a management to track real-time menu order insights using AWS-managed services.Implemented API Gateway, Lambda, and Kinesis Firehose to process over 100+ events/day in real time.Stored and queried over 5 GB of structured data using Amazon S3 and Amazon Athena.Designed dashboards in Amazon QuickSight, improving business decision speed.	Nov 2024 – Dec 2024
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Parkinson's Disease Detection Using Predictive System <ul style="list-style-type: none">Project Description: Developed a machine learning system to diagnose Parkinson's disease using biomedical data.Used Support Vector Machine (SVM) and k-Nearest Neighbours (k-NN), achieving up to 91.2% accuracy.Preprocessed and engineered features from 6000+ voice samples, improving model performance.Optimized hyperparameters using Grid Search, reducing error rate from baseline.	Jan 2024 – May 2024
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DevStream: CI/CD Pipeline with Jenkins and Docker <ul style="list-style-type: none">Project Description: Built a complete CI/CD pipeline project demonstrating modern DevOps practices with automated build, test, and deployment workflows.Implemented Jenkins declarative pipeline with GitHub webhook triggers for continuous integration.Containerized backend API using Docker multi-stage builds, improving security and efficiency.Automated unit & integration testing with Jest and Supertest, achieving over 50% code coverage.Integrated ngrok for secure webhook tunneling and configured GitHub hooks for real-time triggers.	Jul 2025 – Aug 2025
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CERTIFICATIONS

IBM DevOps Fundamentals [IBM]	Apr 2025
AWS Solution Architect - Associate Certificate [Ethnus]	Apr 2025
DevOps on AWS Certificate [Coursera]	Dec 2024
AWS Cloud Technical Essentials Certificate [Coursera]	Mar 2024
HTML, CSS, and JS for Web Developers Certificate [Coursera]	Jan 2024

ACHIEVEMENTS

Completed **200 Days of Code** Challenge
Solved **185+** questions on **LeetCode**
Solved over **100** questions on **GeeksforGeeks**
Achieved **1783** Contest Rating on **GeeksforGeeks** and **1224** Contest Rating on **CodeChef**