Abhinav P Inamdar

Bengaluru, KA | +91 8217615781 | abhinavsnet@gmail.com | linkedin.com/in/abhinavpinamdar
https://abhinavpinamdar.github.io

EDUCATION

BMS College of Engineering, Bengaluru, KA — Expected Aug 2026
Bachelor of Engineering, Computer Science — GPA: 8.0 / 10.0
Relevant Coursework: Data Structures and Algorithms, Object-Oriented Programming (Java, C++), Operating Systems, Computer Networks, Distributed Systems, DBMS

SELECTED PROJECTS

EchoFS – Distributed File System(Java, Go, AWS S3, gRPC) — Jan 2025
- Engineered a cloud-native distributed file system handling 10k+ concurrent requests with $O(1)$ metadata lookups.
- Designed replication (factor 2) and failover mechanisms for high availability and durability.
- Integrated AWS S3 for cost-efficient storage; benchmarked I/O throughput improvements by 25%.
- Applied OOP principles in Java for modular simulation and testing layers, ensuring maintainability.

TCO Configurator(Go, Kubernetes, Prometheus, Promtail) — Aug 2025
- Developed a policy controller using Kubernetes CRDs to automate log throttling and volume-based budgeting.
- Enabled auto-enforcement of Allow/Throttle/Drop rules, reducing ops overhead by 30%.
- Added unit and integration tests for policy validation, ensuring reliable production rollout.

Taxotomy – Personal Finance Platform(Next.js, TypeScript, DynamoDB) — Oct 2023
- Built an end-to-end tax computation and regime comparison system with secure user authentication.
- Improved frontend responsiveness and flow completion by 20% using optimized React state management.
- Migrated backend from MongoDB to DynamoDB to enable auto-scaling and reduce latency under load.

Fake Review Detection System(Python, TensorFlow, Docker, AWS ECS) — Nov 2024
- Trained Bi-LSTM model with 97% accuracy for fake review detection, improving online trust and moderation quality.
- Deployed containerized Flask REST API on AWS ECS (Fargate) for scalable inference.
- Released Chrome extension for real-time review authenticity scoring.

TECHNICAL SKILLS

Languages: Java, C++, Go, Python, TypeScript, JavaScript (ES6+), HTML5, CSS3, SQL
Core CS: Data Structures & Algorithms, Object-Oriented Programming, Operating Systems, Computer Networks, Distributed Systems, DBMS
Cloud & Infra: AWS (S3, DynamoDB, ECS, Fargate), Kubernetes, Docker, gRPC, REST APIs
Tools & Platforms: Git, Linux, Prometheus, Promtail
Databases: MySQL, MongoDB, DynamoDB

ACHIEVEMENTS & COMPETITIVE EXPERIENCE

- Regional Finalist – SAP Hackfest 2025 (Top 20 / 500+ teams) for cloud automation project.
- Research: 2 papers under review (2025) on distributed systems and task scheduling.
- Competitive Programming: 200+ problems solved on LeetCode (1610+ rating, Top 20%), Codeforces (Pupil, 1300+), strong in DP, graphs, and greedy algorithms.

PERSONAL

Ownership-driven engineer focused on building reliable, maintainable systems with measurable business impact.