

Anirudh Mitra

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EDUCATION

- **Indian Institute of Information Technology Vadodara** Vadodara, India
• *Bachelor of Technology in Computer Science and Engineering; CPI: 8.27/10.0* 2019 – 2023
- **Relevant Coursework:** Data Structures & Algorithms, Operating Systems, DBMS, Object-Oriented Programming, Computer Networks, Cloud Computing, Information Retrieval, Artificial Intelligence, Machine Learning.

EXPERIENCE

- **Punjab National Bank** New Delhi, India
• *Officer IT, Enterprise Architecture Team* Sep 2025 – Present
 - **Enterprise Architecture & Governance:** Designed bank-wide Enterprise Architecture (EA) frameworks and established Architecture Review Board (ARB) governance standards to review and align critical IT initiatives across core banking, digital channels, and payment systems.
 - **Core Application Modernization:** Architected the migration strategy for legacy monolithic banking services toward **microservices** and **event-driven architectures**, enhancing fault tolerance, throughput, and system elasticity for high-volume transactions.
 - **Data Centre Operations:** Managed critical data centre infrastructure, monitoring **high-availability server clusters**, **disaster recovery** mechanisms, and operational uptime for mission-critical core banking workloads.
- **Oracle** Gandhinagar, India
• *Applications Developer* Jun 2023 – Aug 2025
 - **Enterprise Applications:** Developing high-quality, maintainable enterprise applications using Oracle Visual Builder Cloud Service (VBCS) and Oracle Application Development Framework (ADF).
 - **Migration Tooling:** Co-authored a migration tool adopted by **3000+** customers to seamlessly transition to newer application versions while preserving user personalization.
 - **Platform Modernization:** Contributed to engineering efforts that drove a **29%** increase in adoption of new Redwood-based UI pages.
- **Testbook** Mumbai, India
• *Software Development Engineer Intern* Jan 2023 – May 2023
 - **Performance Engineering:** Achieved a **57%** performance boost across **100k+** pages by implementing SSR.
 - **Deployment Automation:** Automated major production CI/CD pipelines using Jenkins and Bash scripting.
 - **Platform Migration:** Migrated a legacy WordPress blog to a modern Angular application.
 - **Growth Engineering:** Increased page impressions by **20%** through location-based popups and automated marketing campaigns built with Google Sheets integration.

PROJECTS

- **Tic-Tac-Toe Reinforcement Learning Agent:** Implemented a game-playing agent in Python using model-free Q-Learning that achieves a never-lose policy against optimal opponents after sufficient training.
- **Project Management Portal:** Built a feature-rich portal streamlining applications for institute projects and research internships; developed both front-end and back-end, and strengthened platform security with role-based authentication.
- **COVID-19 Tracker:** Developed a web application tracking global COVID-19 cases and deaths, visualizing trends through interactive maps, charts, and graphs.

PROGRAMMING SKILLS

- **Advanced:** Java, SQL, JavaScript, TypeScript, React, Node.js, Shell, Git | **Familiar:** Python, C/C++, CI/CD

ACHIEVEMENTS

- **Competitive Programming:** Secured global rank 108 in CodeChef Cook-Off Division 3.
- **Open Source Contributions:** Contributed to open-source projects including LibreOffice and the ChRIS Project.
- **Academic Olympiads:** Secured national rank 4 in the Science Olympiad and global rank 12 in the GK Olympiad.
- **Leadership:** Recognized with the President's Award by The Bharat Scouts and Guides.