

APOORV MISHRA

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EDUCATION

- B.E, Computer Engineering (CGPA: 8.72) - Thapar Institute of Engineering and Technology, Patiala Aug 2019 – June 2023
- Class XII (Percentage: 91.6%) - J.B. Academy, Ayodhya April 2017 – May 2018
- Class X (CGPA: 9.8) - J.B. Academy, Ayodhya April 2015 – May 2016

EXPERIENCE

Software Development Engineer 2, Expedia Group

April 2025– Present

- **Spinnaker Management Service:**
 - Developed a Java Spring Boot-based backend service to streamline Spinnaker management at scale.
 - Exposed an API for Backstage to mark pipelines read-only on app decommission
 - Contributed to additional utility APIs enabling seamless interaction between internal tools and Spinnaker.
 - **Tech Stack:** Java, Spring Boot, Spinnaker APIs
- **GitHub Enterprise Cloud Migration System (Multi-Lambda Architecture):**
 - Designed and developed a **event-driven**, multi-lambda architecture to migrate repos from GHES to GHEC
 - Four phases - Request, Export, Import, Finalization - each with dedicated Lambda and SQS for scalable, decoupled processing.
 - Performs deep post-migration remediation - updating AMS and **Backstage** records, remediating **Spinnaker pipelines**, reconfiguring **GitHub Actions** usage, proxying **webhooks** with secrets, and enforcing branch protection rules.
 - Integrated GitHub Issues for tracking, built IaC for **AWS infra**, and engineered **DLQ-based fault tolerance**
 - Reduced manual effort to **0%**, Migration success rate **98.06%**, Migration increased by **90x**
 - **Tech Stack:** Python, AWS Lambda, SQS, S3, GitHub API (REST & GraphQL), Pytest, GitHub Issues

Software Development Engineer 1, Expedia Group

Aug 2023– March 2025

- **Custom Spinnaker Plugin for CloudFormation Deployments:**
 - Contributed to a custom Spinnaker plugin to auto-deploy CloudFormation stacks to target AWS environments on repo changes.
 - Reduced manual effort by **100%**
 - **Tech Stack:** React.js, Java, AWS, Spinnaker
- **Reusable CI Workflows & Custom GitHub Actions:**
 - Built modular CI reusable workflows for Maven, Gradle, Docker, npm, and Yarn apps, now adopted across thousands of repos.
 - Developed four **custom GitHub Actions** (TypeScript and Python): OIDC authentication, artifact upload to Artifactory, *settings.xml* generator for Maven, and *init.gradle* generator for Gradle.
 - Reduced Jenkins dependency by **76% in a year**, saving infra cost and maintenance effort.
 - Secured pipelines, added quality/security checks, and improved auditability and governance.
 - **Tech Stack:** TypeScript, Python, GitHub Actions, OIDC, Artifactory, Docker, AWS, Spinnaker
- **Security & Infra Hardening via Global ACL:**
 - Replaced local Akamai CIDRs with a centralized Global Origin ACL across all AWS environments.
 - Centralized policy eliminated the need for frequent manual updates
 - **Tech Stack:** Terraform, AWS CloudFormation, Akamai SiteShield, Jenkins

SWE Intern, McKinsey & Company

Jan 2023 – July 2023

- **Drag-and-Drop Architecture to Code** | Express JS, PostgreSQL with Prisma, Docker
 - Contributed to an app where users can draw the architecture of a project by dragging and dropping tech stacks to create microservices and drawing connections between the services for network connectivity.
 - The application will generate custom boilerplates, docker files, and Kubernetes Manifest Files for the drawn project.
 - Built DB schema, OTP-based auth, Dockerfile generator, and zipping utility modules.
 - **Tech Stack:**
- **Clinical Trial Management System** | React JS, Redux, HighCharts, Bootstrap
 - Built a real-time analytics dashboard for one of Asia's largest pharma firms, driving decisions and saving millions

SKILLS

- **Languages** – C++, Java, JavaScript, Python
- **Backend Development:** Java Spring Boot, Express.js, REST APIs, Python (Lambda, scripting)
- **Frontend:** React.js, HTML, CSS
- **Databases:** MySQL, PostgreSQL, Oracle SQL, SQLite3
- **ORMs:** JPA (Hibernate), Prisma, Sequelize
- **DevOps & Cloud** – Terraform, CloudFormation, AWS, GitHub Actions, Jenkins, Spinnaker, Artifactory
- **Other:** Docker, Redis

HACKATHON HITS

- **God's Eye (AI-Powered Smart Glasses for the Visually Impaired)**  ([Demo Video](#) | [GitHub](#) | [Website](#))
 - Glasses with **real-time environmental narration**, facial recognition, text narration, and road sign detection for **assisted navigation**.
 - Won 2 Lakh INR in IONathon 2022, Finalist in **Smart India Hackathon (SIH)** 2022, multiple college level hackathons
- **ThaparTalks.in (Exclusive Social Network for TIET)**
 - Full-Fledged Social Networking web app for TIET family, (310 active users) Sign up only through Thapar ID
 - Highly secure, Real-time chat, File Transfer up to 500 MB, Stickers in chat
- **LastSeen (Tracking System Using Facial Recognition)**  ([Won HackX 2021](#))  ([GitHub](#))
 - Processes live feeds from all premise CCTVs to track individuals via facial recognition and report their last seen location

ACHIEVEMENTS

- **Smart India Hackathon** (National Level) 2022 **Finalist** (15,00,000+ participants) July 2022
- **Winner of ION<athon> 2022** (Global Level Hackathon) organized by **ION Group** (out of 2,875 Teams) May 2022
- **6 Star** on [HackerRank \(@apoorvmishra1000\)](#)
- **1550+** Coding Score on [GeeksForGeeks Practice](#) (500+ Questions solved) [@apoorvmishra](#)
- Received Academic **Scholarship (1 Lakh 17 thousand INR)** Aug 2020
- **Bronze Medalist** 2019-2020 Academic session (CGPA: 9.76)